FINAL PHASE II ENVIRONMENTAL SITE ASSESSMENT

KAPOHO MARINE FAMILY HOUSING AREA

Prepared for

Honolulu, Hawaii

September 2006

Prepared by

PARSONS

1132 BISHOP STREET, SUITE 2102 • HONOLULU • HAWAII 96813

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ACRONYMS AND ABBREVIATIONS

ACM	Asbestos-containing material
AST	Aboveground Storage Tank
ASTM	American Society of Testing and Materials
bgs	below ground surface
EP	Environmental Professional
EAL	Environmental Action Level
ESA	Environmental Site Assessment
ft	feet
HDOH	Hawaii Department of Health
HUD	United States Department of Housing and Urban Development
kg	Kilograms
LBP	Lead-based paint
LUST	Leaking underground storage tank
m	Meter
mg/kg	milligram per kilogram
PCB	Polychlorinated biphenyl
PE	Professional Engineer
PPV	Public Private Venture
REC	Recognized Environmental Condition
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground storage tank

1.0 SUMMARY

The purpose of this Final Phase II Environmental Site Assessment (ESA) is to present the site-specific results and recommendations from a subsurface investigation of pesticides and lead conducted at the Kapoho Marine Family Housing Area on the island of Oahu, Hawaii. Parsons completed a Phase 1 ESA which identified potential Recognized Environmental Conditions (RECs) at the site and for which additional investigations were recommended. One of these recommendations included subsurface soil sampling for pesticides prior to planned renovation/demolition activities for new housing developments. In addition, as part of the Phase II investigations lead was analyzed in soil due to concerns over past use of lead-based paint, as described in the Phase I ESA.

The Kapoho Marine Family Housing Area is located in the Kaneohe Area of O'ahu, Hawaii. The site is 7.971 acres. The site is located in southeastern O'ahu, on the Marine Corps Base (MCB) Kaneohe, on the Mokapu peninsula adjacent to Kaneohe Bay. The site consists of seven buildings containing ten housing units occupied by Marine personnel and family. The housing units are single-story, constructed of cinder block with exterior vinyl siding. The site consists of 7 buildings, of which 4 are single family homes, and 3 are duplexes. The units were built in 1957 and 1976. The square footage of the units ranges from 1,217 to 1,630 square feet. The units have 3 to 4 bedrooms with 1.5 to 2.5 bathrooms. No units have been renovated to date.

There are no historic homes (Ohana, 2006). However, according to the Environmental Baseline Survey, the Kapoho Hillside neighborhood, constructed in 1957, was built as part of the nationwide Capehart Era of Military Family Housing. The Program Comment for Wherry and Capehart Era Family Housing at Department of the Air Force and Department of the Navy Bases, adopted by the Advisory Council on Historic Preservation (ACHP) on 18 November 2004, recognizes that Wherry and Capehart era (1949-1962) family housing may be eligible for listing in the National Register of Historic Places.

The Public Private Venture (PPV) will be the lessee of the site and will be the owner of 10 improvements, all of which will be demolished and replaced.

During the Phase II, shallow soil samples were collected from a statistically representative number of buildings that were areally distributed throughout the neighborhood. For Kapoho, approximately 29% (2 out of the 7 buildings) of the total number of buildings planned for demolition were sampled. For each building selected for sampling, soil samples were collected from three (3) group locations:

- under the foundation ("sub-slab samples");
- along the outside perimeter of the foundation ("perimeter samples"), generally at a distance of between 3 and 4 feet from the foundation; and,
- in the front and/or back yards ("common area samples").

In the opinion of the Environmental Professional (EP), the findings and conclusions for the Kapoho Marine Family Housing Area are:

1) All pesticide compounds were below their respective Tier 2 EALs in all samples.

2) Lead concentrations were below the Tier 1 EAL of 200 mg/kg in all samples.

It is the opinion of the EP that soil mitigation measures for the Kapoho neighborhood do not appear to be warranted.

2.0 INTRODUCTION

The purpose of this Final Phase II Environmental Site Assessment (ESA) is to present the site-specific results and recommendations from a subsurface investigation of pesticides and lead conducted at the Kapoho Marine Family Housing Area on the island of Oahu, Hawaii. Parsons completed a Phase I ESA which identified potential Recognized Environmental Conditions (RECs) at the site and for which additional investigations were recommended. One of these recommendations included subsurface soil sampling for pesticides prior to planned renovation/demolition activities for new housing developments. In addition, as part of the Phase II investigations lead was analyzed in soil due to concerns over past use of lead-based paint, as described in the Phase I ESA.

SPECIAL TERMS AND CONDITIONS

- The information and conclusions presented in this report are valid only for the circumstances of the site investigated as described as of the dates in this report.
- Parsons evaluated the reasonableness and completeness of available relevant information, but does not assume responsibility for the truth or accuracy of any information provided to Parsons by others or for the lack of information that is intentionally, unintentionally, or negligently withheld from Parsons by others.
- After acceptance of this report, if Parsons obtains information that it believes warrants further exploration and development, Parsons will endeavor to provide that information, but Parsons will not be liable for not doing so.

LIMITATIONS AND EXCEPTIONS OF ASSESSMENT

To achieve the study objectives stated in this report, Parsons based its conclusions on the best information available during the period of the investigation and in accordance with generally-accepted environmental methodologies.

No investigative method can completely eliminate the possibility of obtaining partially imprecise or incomplete information. Professional judgment was exercised in gathering and evaluating the information obtained, and Parsons commits itself to the usual care, thoroughness, and competence of the engineering profession.

OTHER RECS IDENTIFIED IN PHASE 1 ESA

The following RECs were also identified in the Phase 1 ESA and Parsons recommends the following:

- Suspected presence of asbestos-containing materials in building materials — Parsons recommends that the PPV continue to monitor this REC and follow any relevant Plans and Environmental Laws related to such REC.

- Suspected presence of lead in paint and dust — Parsons recommends that the PPV continue to monitor this REC and follow any relevant Plans and Environmental Laws related to such REC.
- Potential radioactive sources in smoke detectors — Parsons recommends that the PPV continue to monitor this REC and follow any relevant Plans and Environmental Laws related to such REC.
- Potential mercury-containing light switches and lamps — Parsons recommends that the PPV continue to monitor this REC and follow any relevant Plans and Environmental Laws related to such REC.
- Potential arsenic-containing canec board in building materials — Parsons recommends that the PPV continue to monitor this REC and follow any relevant Plans and Environmental Laws related to such REC.

USER RELIANCE

This report was prepared for Ohana Military Communities, LLC, its Managing Member and other Members of Ohana Military Communities, LLC. It may be relied upon by Ohana Military Communities, LLC, its Managing Member and other Members of Ohana Military Communities, LLC, the United States of America, Department of the Navy, (b) (4) [redacted], and each of their respective officers, directors, employees, affiliates, successors, assigns, legal counsel and advisors.

3.0 BACKGROUND INFORMATION

LOCATION AND DESCRIPTION OF PROPERTY

The Kapoho Marine Family Housing Area is located at Latitude (North) 21.454968, Longitude (West) 157.759843. The site is located in southeastern O'ahu, on the MCB Kaneohe, on the Mokapu peninsula adjacent to Kaneohe Bay.

The Public Private Venture (PPV) will be the lessee of the site and will be the owner of 10 improvements, all of which will be demolished and replaced.

SITE AND VICINITY CHARACTERISTICS

Table 3-1 provides a description of the properties directly adjacent to the site.

Table 3-1
Adjacent Properties

Direction	Description of Adjacent Properties
North	The Heleloa Marine Family Housing area is directly north of the site.
East	Undeveloped land is immediately east of the site. Further east is additional military housing. Building 503 serves as bachelor officer quarters.
South	Undeveloped land is immediately south of the site. Some military housing is located further south of the site. Building 3022 serves as a child care center.
West	Undeveloped land is immediately west of the site.

DESCRIPTIONS OF STRUCTURES, ROADS, OTHER IMPROVEMENTS ON THE SITE

The site consists of seven buildings containing ten housing units occupied by Marine personnel and family. The site consists of 7 buildings, of which 4 are single family homes, and 3 are duplexes. The units were built in 1957 and 1976. The square footage of the units ranges from 1,217 to 1,630 square feet. The units have 3 to 4 bedrooms with 1.5 to 2.5 bathrooms. No units have been renovated to date.

There are no historic homes (Ohana, 2006). However, according to the Environmental Baseline Survey, the Kapoho Hillside neighborhood, constructed in 1957, was built as part of the nationwide Capehart Era of Military Family Housing. The Program Comment for Wherry and Capehart Era Family Housing at Department of the Air Force and Department of the Navy Bases, adopted by the Advisory Council on Historic Preservation (ACHP) on 18 November 2004, recognizes that Wherry and Capehart era (1949-1962) family housing may be eligible for listing in the National Register of Historic Places. Vehicle access to the housing units is via asphalt-paved streets.

The housing units are single-story, constructed of cinder block with exterior vinyl siding. Roofing material includes a wood base covered with asphalt shingles. Typical landscaping bordering the housing units includes grass and trees.

GROUNDWATER AND SURFACE WATER

Groundwater beneath MCBH Kaneohe is unlikely to be used for domestic purposes because it is below the Underground Injection Control (UIC) Line. There are no surface water bodies within 150 meters of the Kapoho neighborhood.

LIST OF RECOGNIZED ENVIRONMENTAL CONDITIONS FROM PHASE I ESA

The following RECs were identified for the site: (1) ACM, (2) lead, (3) chlordane and other pesticides including DDT, dieldrin, and heptachlor in soils, (4) arsenic, (5) smoke detectors, and (6) mercury switches in housing units and associated structures

4.0 PHASE II ESA ACTIVITIES

SAMPLING STRATEGY AND METHODS

Shallow soil samples were collected from a statistically representative number of buildings that were distributed throughout the neighborhood. For Kapoho, approximately 29% (2 out of the 7 buildings) of the total number of buildings planned for demolition were sampled. For each building selected for sampling, soil samples were collected from three (3) group locations:

1) under the foundation ("sub-slab samples");
2) along the outside perimeter of the foundation ("perimeter samples"), generally at a distance of between 3 and 4 feet from the foundation; and,
3) in the front and/or back yards ("common area samples").

At each building selected for sampling, soil samples were collected from a total of approximately seven (7) individual sampling locations ("pushes") within the above three group locations, as follows:

- 2 locations in the front and/or back yards; numbered samples "-1" and "-2".
- 3 locations along the outside perimeter of the foundation; numbered samples " 3", " 4", and " 5" and,
- 2 locations under the foundation; numbered "-7" and "-8".

At each individual sampling location or push, discrete samples were collected at two (2) depths: approximately one foot (ft) below ground surface (bgs) and approximately 2 ft bgs. After the samples were collected at each building, all of the related samples from the same group location and the same depth were composited and submitted to a fixed-base laboratory for pesticide and lead analyses. Compositing was performed at the laboratory based on instructions provided on the chain-of-custody form. As a result, each building sampled resulted in approximately 6 representative samples analyzed by the laboratory (i.e. from 3 group locations at 2 depths each). All soil samples were analyzed for pesticides and total lead by EPA methods 8081A and SW6010B, respectively.

Soil samples from the 2 group locations outside of buildings (i.e. the foundation perimeter and yards) were collected using direct-push sampling methods. Soil samples collected from inside buildings (i.e. under the foundation) were collected manually using a slide hammer and sampling tube after drilling through the bottom of the concrete foundation using hand operated electric tools.

REGULATORY COMPARISON CRITERIA

Phase II soil sampling results are compared with Tier 1 or 2 Environmental Action Levels (EALs), consistent with guidance in the Hawaii Department of Health (HDOH, 2005) "*Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*". EALs are

conservative screening concentrations that can be used to assess the potential risks to humans or the environment. It can be assumed that contaminants of potential concern (COPCs) do not pose a significant threat to human health or the environment when concentrations are less than EALs. However, COPC concentrations greater than EALs do not necessarily indicate unacceptable risks, but typically indicate the need for further evaluation. Under "Tier 1", site data are compared directly with HDOH generic and conservative Tier 1 EALs. However, HDOH also supports the development of project-specific or site-specific Tier 2 EALs.

Parsons developed proposed project-specific Tier 2 EALs for pesticides that were derived from HDOH human health direct exposure Tier 1 EAL values. These Tier 2 EALs are based on an alternative target cancer risk level of 1E-05 and the potential for cumulative cancer effects from exposure to multiple pesticides. The rationale and development of these proposed Tier 2 EALs are documented in "*Proposed Soil Site-Specific Tier 2 Environmental Action Levels (EALs) for Use During Demolition and Construction at Navy (Phase III) and Marine (Phase II) Housing Communities on Oahu, Hawaii*" and provided under separate cover (Parsons, 2006b). These Tier 2 EALs along with HDOH generic Tier 1 EALs are summarized in Table 4-1.

TABLE 4-1

TIER 1 AND 2 ENVIRONMENTAL ACTION LEVELS (EALS) FOR SOIL

	Environmental Action Level (EAL) (mg/kg)			
Chemical	**Tier 1** [a/]	**Basis** [b/]	**Tier 2 (Proposed)**	**Basis (Direct Exposure)** [c/]
4,4'-DDD	2.4	Direct Exposure (cancer)	8.1	Carcinogen
4,4'-DDE	2.4	Direct Exposure (cancer)	8.1	Carcinogen
4,4'-DDT	1.7	Direct Exposure (cancer)	5.7	Carcinogen
Aldrin	0.029	Direct Exposure (cancer)	0.095	Carcinogen
BHC (Lindane)	0.098	Groundwater Protection	1.5	Carcinogen
Chlordane	1.6	Direct Exposure (cancer)	5.4	Carcinogen
Dieldrin	0.030	Direct Exposure (cancer)	0.10	Carcinogen
Endosulfan	0.018	Groundwater Protection	370	Non-Carcinogen
Endrin	0.010	Groundwater Protection	18	Non-Carcinogen
Heptachlor	0.11	Direct Exposure (cancer)	0.36	Carcinogen
Heptachlor epoxide	0.053	Direct Exposure (cancer)	0.18	Carcinogen
Methoxychlor	19	Groundwater Protection	310	Non-Carcinogen
Toxaphene	0.40	Direct Exposure (cancer)	1.3	Carcinogen

[a/] Taken from Table B-1 of HDOH (2005), assuming non-potable groundwater and the nearest surface water body is >150 m.
[b/] The most sensitive endpoint is shown, including cancer or non-cancer toxicologic endpoints (HDOH, 2005).
[c/] Tier 2 EALs based on direct human exposure (Parsons, 2006b); most sensitive endpoint (cancer or non-cancer) is shown.

5.0 EVALUATION AND PRESENTATION OF RESULTS

Laboratory data packages with detailed sampling results are provided in Appendix 1. No samples at Kapoho had pesticide or lead concentrations which exceeded the Tier 2 EAL criteria.

Locations are identified by sample ID, for example: “2223K-S00” (see Figure 2). The initial part of the sample ID (e.g., “2223K”) indicates the address of the building within the neighborhood (in this example, 2223 Kalali Street). The second part of the sample ID (e.g., “S00”) indicates which of the three sample groups the sample was collected from (in this example, “S00” for the composited sub-slab sample). The sample ID is then followed by the sample depth, 1 ft or 2 ft bgs. For clarity, the sample groupings are also color-coded: green for sub-slab samples, blue for perimeter samples, and red for common area samples.

6.0 DISCUSSION OF FINDINGS AND CONCLUSIONS

For the Kapoho neighborhood:

1) All pesticide compounds were below their respective Tier 2 EALs in all samples.

2) Lead concentrations were below the Tier 1 EAL of 200 mg/kg in all samples.

Based on these results, soil mitigation measures for the Kapoho neighborhood do not appear to be warranted.

7.0 SIGNATURE(S) OF ENVIRONMENTAL PROFESSIONAL(S)

Parsons declares that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in Section 312.10 of Title 40, Code of Federal Regulations (CFR), Part 312 dated 1 November 2005.

We have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the subject property. We have developed and performed the all appropriate inquires in conformance with the standards and practices set forth in 40 CFR 312.

Signatu (b) (6) Date:

September 2006

(b) (6), P.E.

FIGURES

Figure 1

Kapoho

Overview

Legend

Sample Types

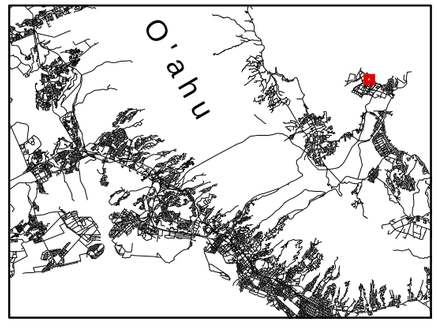
- Common Area (C)
- Area Perimeter (P)
- Sub-Slab (S)

Area of Interest

LOCID Definition:
2231K-C00
Building ID | Sample ID
Sample Type

Sample ID Definitions:
00 - Composite Sample
01 - Individual Sample

Note:
1.



150 75 0 150
Feet

PARSONS

Forest City Enterprises

DESIGNED BY: GLP	Kapoho Housing Area O'ahu, Hawaii
DRAWN BY: GLP	
CHECKED BY: EHH	SCALE: 1 inch equals 150 feet — PROJECT NUMBER: 442221
SUBMITTED BY: LGL	DATE: September 2006 — PAGE NUMBER: 3-x
	FILE: w:\hawaii\mapfiles\kapoho\Fig1_ov.mxd

Figure 2

Kapoho

Sample Locations

Legend

Sample Types

- Common Area (C)
- Area Perimeter (P)
- Sub-Slab (S)

LOCID Definition:
2231K-C00
Building ID | Sample ID
Sample Type

Sample ID Definitions:
00 - Composite Sample
01 - Individual Sample

Note:
1. No Concentrations of Contaminants That Exceed HDOH Tier 1 Environmental Action Levels

70 35 0 70
Feet

PARSONS

Forest City Enterprises

DESIGNED BY: GLP	Kapoho Housing Area O'ahu, Hawaii		
DRAWN BY: GLP	SCALE: 1 inch equals 60 feet	PROJECT NUMBER: 442221	
CHECKED BY: EHH	DATE: September 2006	PAGE NUMBER: 3-x	
SUBMITTED BY: LGL	FILE: w:\hawaii\mapfiles\kapoho\Fig2_samp_loc.mxd		

APPENDIX 1 – LABORATORY RESULTS

STL Sacramento
880 Riverside Parkway
West Sacramento, CA 95605

Tel: 916 373 5600
Fax: 916 372 1059
www.stl-inc.com

August 30, 2006

STL SACRAMENTO PROJECT NUMBER: G6G190409
PO/CONTRACT:

(b) (6)
Parsons Corporation
1132 Bishop St. Suite 2102
Honolulu, HI 96813

Dear (b) (6),

This report contains the analytical results for the samples received under chain of custody by STL Sacramento on July 19, 2006. These samples are associated with your 442221 project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (b) (6).

Sincerely,

(b) (6)

(b) (6)
Project Manager

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STL SACRAMENTO PROJECT NUMBER G6G190409

CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER G6G190409

General Comments

The laboratory received sample 1203Y-1-2 with a broken lid. The lid was taped upon receipt.

SOLID, 8081A, Pesticides

Sample: 22
The ending continuing calibration verification (CCV), associated with this sample, indicated percent differences (%D) for methoxychlor, endosulfan sulfate, and endrin ketone above the 20% limit on both columns, at +30 % and +26 %, +65 % and +59%, +26% and +26% respectively. As this is indicative of a high bias no action was taken as approved by you on August 31, 2006.

Samples: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40
The laboratory control sample (LCS) indicated an elevated response for delta-BHC at 135%. In accordance with NELAC and QSM guidelines, the LCS was evaluated, and it was determined that this met the criteria for a sporadic marginal exceedence. Therefore the LCS was considered acceptable.

The method blank (MB) associated with batch 6208257 indicated 4,4'-DDT above the reporting limit. Also aldrin, delta-BHC, 4,4'-DDE, dieldrin, and 4,4'-DDD were present at concentrations that were less than ½ the reporting limit. Per the DOD QSM concentration below ½ the reporting limit are acceptable. The samples and MB were re-extracted on August 15, 2006 , batch 6227593, outside of the method specified 14 day hold time due to the 4,4'-DDT found in the original batch. The analyte 4,4-DDT was non-detect in the reanalysis of the MB. Since the reanalysis occurred outside of hold time both sets of data are reported. Any positive results for these compounds have been flagged with a B qualifier in the original batch.

The relative percent difference (RPD) between the matrix spike/matrix spike duplicate (MS/MSD) performed on sample 8 was above the control limit for methoxychlor. The recoveries in the MS/MSD for this analyte were in control. Also the surrogate decachlorobiphenyl was below control limits in the MSD. The batch was re-extracted due to method blank issues and there was insufficient sample to reprepare the MS/MSD on this sample.

The %R for delta-BHC in the MS on sample 14 was above the upper control limit of 130% at 136%. The %R in the MSD is in control and the RPD between the MS/MSD is in control. This anomaly is attributed to sample matrix effects and reported with no further action.
Samples: 42, 44, 46, 48

CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER G6G190409

The initial calibration verification (ICV) was in control for all analytes. The bracketing continuing calibration indicated a low %D for endrin on both columns, at -44% and -47% respectively. All surrogate percent recoveries were within control limits, the ICV and ending CCV were in control, and all samples were non-detect for this analyte. This anomaly is attributed to sample matrix effects. The client was notified on August 25, 2006 and approved narration of this anomaly and no further action was taken.

Samples: 28, 30, 32, 34, 36, 38, 40
The performance evaluation mix (PEM) associated with batch 6208257, did not meet endrin breakdown criteria. Since a re-extraction was performed on these samples due to MB contamination. The PEM criteria were in control for the re-extraction. Therefore no further action was warranted.

Samples: 42, 44, 46, 48
The method blank associated with batch 6210097 indicated 4,4-DDT below ½ the reporting limit. Since the concentration was below ½ the reporting limit no further action was taken. Any positive results for this compound have been flagged with a B qualifier.

There were no other anomalies associated with this project.

STL Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	Oregon*	CA 200005
Arizona	AZ0616	Pennsylvania	68-1272
Arkansas	04-067-0	South Carolina	87014002
California*	01119CA	Texas	TX 270-2004A
Colorado	NA	Utah*	QUAN1
Connecticut	PH-0691	Virginia	00178
Florida*	E87570	Washington	C087
Georgia	960	West Virginia	9930C, 334
Hawaii	NA	Wisconsin	998204680
Louisiana*	01944	NFESC	NA
Michigan	9947	USACE	NA
Nevada	CA44	USDA Foreign Plant	37-82605
New Jersey*	CA005	USDA Foreign Soil	S-46613
New York*	11666		

*NELAP accredited. A more detailed parameter list is available upon request. Update 1/27/05

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD): An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

Sample Summary
G6G190409

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
H9LF7	1	1202Y-1-1,2-1	7/17/2006 08:25 AM	7/19/2006 09:50 AM
H9LF8	2	1202Y-1-1,2-1 COMP	7/17/2006 08:25 AM	7/19/2006 09:50 AM
H9LGA	3	1202Y-1-2,2-2	7/17/2006 08:25 AM	7/19/2006 09:50 AM
H9LGC	4	1202Y-1-2,2-2 COMP	7/17/2006 08:25 AM	7/19/2006 09:50 AM
H9LGD	5	1202Y-3-1,4-1,5-1	7/17/2006 08:32 AM	7/19/2006 09:50 AM
H9LGG	6	1202Y-3-1,4-1,5-1 COMP	7/17/2006 08:32 AM	7/19/2006 09:50 AM
H9LGH	7	1202Y-3-2,4-2,5-2	7/17/2006 08:32 AM	7/19/2006 09:50 AM
H9LGJ	8	1202Y-3-2,4-2,5-2 COMP	7/17/2006 08:32 AM	7/19/2006 09:50 AM
H9LGL	9	1202Y-7-1,8-1	7/17/2006 09:15 AM	7/19/2006 09:50 AM
H9LGN	10	1202Y-7-1,8-1 COMP	7/17/2006 09:15 AM	7/19/2006 09:50 AM
H9LGQ	11	1202Y-7-2,8-2	7/17/2006 09:15 AM	7/19/2006 09:50 AM
H9LGR	12	1202Y-7-2,8-2 COMP	7/17/2006 09:15 AM	7/19/2006 09:50 AM
H9LGT	13	1203Y-3-1,4-1,5-1	7/17/2006 10:40 AM	7/19/2006 09:50 AM
H9LGW	14	1203Y-3-1,4-1,5-1 COMP	7/17/2006 10:40 AM	7/19/2006 09:50 AM
H9LGX	15	1203Y-3-2,4-2,5-2	7/17/2006 10:40 AM	7/19/2006 09:50 AM
H9LG0	16	1203Y-3-2,4-2,5-2 COMP	7/17/2006 10:40 AM	7/19/2006 09:50 AM
H9LG1	17	1203Y-1-1,2-1	7/17/2006 10:52 AM	7/19/2006 09:50 AM
H9LG2	18	1203Y-1-1,2-1 COMP	7/17/2006 10:52 AM	7/19/2006 09:50 AM
H9LG3	19	1203Y-1-2,2-2	7/17/2006 10:52 AM	7/19/2006 09:50 AM
H9LG4	20	1203Y-1-2,2-2 COMP	7/17/2006 10:52 AM	7/19/2006 09:50 AM
H9LG5	21	1203Y-7-1,8-1	7/17/2006 10:15 AM	7/19/2006 09:50 AM
H9LG7	22	1203Y-7-1,8-1 COMP	7/17/2006 10:15 AM	7/19/2006 09:50 AM
H9LG8	23	1203Y-7-2,8-2	7/17/2006 10:15 AM	7/19/2006 09:50 AM
H9LG9	24	1203Y-7-2,8-2 COMP	7/17/2006 10:15 AM	7/19/2006 09:50 AM
H9LHA	25	2513P-4-1,5-1,6-1,7-1,8-1,9-1	7/17/2006 09:40 AM	7/19/2006 09:50 AM
H9LHC	26	2513P-4-1,5-1,6-1,7-1,8-1,9-1 COMP	7/17/2006 09:40 AM	7/19/2006 09:50 AM
H9LHD	27	2513P-4-2,5-2,6-2,7-2,8-2,9-2	7/17/2006 09:40 AM	7/19/2006 09:50 AM
H9LHE	28	2513P-4-2,5-2,6-2,7-2,8-2,9-2 COMP	7/17/2006 09:40 AM	7/19/2006 09:50 AM
H9LHF	29	2513P-1-1,2-1,3-1	7/17/2006 10:15 AM	7/19/2006 09:50 AM
H9LHG	30	2513P-1-1,2-1,3-1 COMP	7/17/2006 10:15 AM	7/19/2006 09:50 AM
H9LHH	31	2513P-1-2,2-2,3-2	7/17/2006 10:15 AM	7/19/2006 09:50 AM
H9LHJ	32	2513P-1-2,2-2,3-2 COMP	7/17/2006 10:15 AM	7/19/2006 09:50 AM
H9LHK	33	2513P-12-1,13-1,14-1	7/17/2006 09:30 AM	7/19/2006 09:50 AM
H9LHL	34	2513P-12-1,13-1,14-1 COMP	7/17/2006 09:30 AM	7/19/2006 09:50 AM
H9LHM	35	2513P-12-2,13-2,14-2	7/17/2006 09:30 AM	7/19/2006 09:50 AM
H9LHN	36	2513P-12-2,13-2,14-2 COMP	7/17/2006 09:30 AM	7/19/2006 09:50 AM
H9LHP	37	2543L-1-1,2-1,3-1	7/18/2006 08:42 AM	7/19/2006 09:50 AM
H9LHQ	38	2543L-1-1,2-1,3-1 COMP	7/18/2006 08:42 AM	7/19/2006 09:50 AM
H9LHR	39	2543L-1-2,2-2,3-2	7/18/2006 08:42 AM	7/19/2006 09:50 AM
H9LHT	40	2543L-1-2,2-2,3-2 COMP	7/18/2006 08:42 AM	7/19/2006 09:50 AM
H9LHV	41	2543L-4-1,5-1,6-1,7-1,8-1,9-1	7/18/2006 08:50 AM	7/19/2006 09:50 AM
H9LHW	42	2543L-4-1,5-1,6-1,7-1,8-1,9-1 COMP	7/18/2006 08:50 AM	7/19/2006 09:50 AM
H9LHX	43	2543L-4-2,5-2,6-2,7-2,8-2,9-2	7/18/2006 08:50 AM	7/19/2006 09:50 AM
H9LH0	44	2543L-4-2,5-2,6-2,7-2,8-2,9-2 COMP	7/18/2006 08:50 AM	7/19/2006 09:50 AM
H9LH1	45	2543L-12-1,13-1	7/18/2006 08:46 AM	7/19/2006 09:50 AM
H9LH2	46	2543L-12-1,13-1 COMP	7/18/2006 08:46 AM	7/19/2006 09:50 AM
H9LH3	47	2543L-12-2,13-2	7/18/2006 08:46 AM	7/19/2006 09:50 AM
H9LH4	48	2543L-12-2,13-2 COMP	7/18/2006 08:46 AM	7/19/2006 09:50 AM

CHAIN-OF-CUSTODY RECORD

G6G190409

CLIENT: Parsons

ADDRESS: 1132 Bishop st #[redacted] 2102

PHONE: 808 748 7576 FAX: 808 748 7575

EMAIL: (b) (6) @parsons.com

CLIENT PROJECT #: [redacted] Project Manager: (b) (6)

TAT (circle one): 24-hr. 48-hr. 5-day or Other: STD

DATE: 7-18-06 PAGE 1 OF 2

ESN PROJECT #:

LOCATION/PROJECT NAME: KMCB

COLLECTOR: KB DATE COLLECTED: 71706

	Sample ID#	Depth	Time	Sample Type	Container Type	8021b HVOC	8021b VOC	8021b BTEX	8021b MtBE	8015 Fuel Scan	8015 TPH-Gas	8015 TPH-Diesel	8015 TPH-Oil	8081 Pest.	8082 PCB	8100 PAH	8270 PAH	1010 FlashPoint	RCRA 8 Metals	Total: Pb Cd Cr As Hg or TCLP	Lead 6010			Comments	# of Containers
1	1202Y-1-1	1.0	0835	Soil	4oz jar																				1
2	1202Y-2-1	1.0	0840											X							X			Composite	1
3	1202Y-1-2	2.0	0835																						1
4	1202Y-2-2	2.0	0840											X							X			Composite	1
5	1202Y-3-1	1.0	0837																						1
6	1202Y-4-1	1.0	0846											X							X			Composite	1
7	1202Y-5-1	1.0	0852																						1
8	1202Y-3-2	2.0	0837																						1
9	1202Y-4-2	2.0	0846											X							X			Composite	1
10	1202Y-5-2	2.0	0852																						1
11	1202Y-7-1	1.0	0915																						1
12	1202Y-8-1	1.0	0925											X							X			Composite	1
13	1202Y-7-2	2.0	0915																						1
14	1202Y-8-2	2.0	0925											X							X			Composite	1
15	1203Y-3-1	1.0	1040																						1
16	1203Y-4-1	1.0	1100											X							X			Composite	1
17	1203Y-5-1	1.0	1108																						1
18	1203Y-3-2	2.0	1040																M2						1
19	1203Y-4-2	2.0	1100											X							X			Composite	1
20	1203Y-5-2	2.0	1108	↓	↓																				1

RELINQUISHED BY: (b) (6) DATE/TIME 7-18-06/1500 RECEIVED BY: (b) (6) DATE/TIME 7/19/06 1534

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS: ____ ESN Dispose @ $2.00/sample or ____ Return to Client

SAMPLE RECEIPT:

TOTAL # OF CONTAINERS 20

COC SEALS Y / N / NA

SEALS INTACT Y / N / NA

RECEIVED TEMP:

LABORATORY NOTES:

STL Sacramento (916) 373-5600

6 of 120

CHAIN-OF-CUSTODY RECORD

G6G190409

CLIENT: Parsons

ADDRESS: 1132 Bishop st #2102

PHONE: 808 748 7576 FAX: 808 748 7575

EMAIL: (b) (6) @ parsons.com

CLIENT PROJECT #: 44222 Project Manager: (b) (6)

TAT (circle one): 24-hr. 48-hr. 5-day or Other: STD

DATE: 7.18.06 PAGE 2 OF 2

ESN PROJECT #:

LOCATION/PROJECT NAME: KMCB

COLLECTOR: KB DATE COLLECTED: 7.17.06

	Sample ID#	Depth	Time	Sample Type	Container Type	8021b HVOC	8021b VOC	8021b BTEX	8021b MtBE	8015 Fuel Scan	8015 TPH-Gas	8015 TPH-Diesel	8015 TPH-Oil	8081 Pest.	8082 PCB	8100 PAH	8270 PAH	1010 FlashPoint	RCRA 8 Metals	Total: Pb Cd Cr As Hg or TCLP	Lead 6010			Comments	# of Containers
1	12034-1-1	1.0	1052	Soil	4 oz. jar																				1
2	12034-2-1	1.0	1115											X							X			Composite	1
3	12034-1-2	2.0	1052																						1
4	12034-2-2	2.0	1115											X							X			Composite	1
5	12034-7-1	1.0	1015																						1
6	12034-8-1	1.0	1025											X							X			Composite	1
7	12034-7-2	2.0	1015																						1
8	12034-8-2	2.0	1025	↓	↓									X							X			Composite	1
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20				↓	↓																				

RELINQUISHED BY:(Signature) (b) (6) DATE/TIME 7.18.06/1500

RECIEVED BY (Signa DATE/TIME (b) (6) 7/18/06 1500

RELINQUISHED BY:(Signature) DATE/TIME

RECIEVED BY (Signa DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS: ____ ESN Dispose @ $2.00/sample or ____ Return to Client

SAMPLE RECEIPT:

TOTAL # OF CONTAINERS 6

COC SEALS Y / N / NA

SEALS INTACT Y / N / NA

RECEIVED TEMP:

LABORATORY NOTES:

Recieved sample with broken cap

STL Sacramento (916) 373-5600

7 of 12

SEVERN TRENT **STL**

LOT RECEIPT CHECKLIST
STL Sacramento

CLIENT Parsons PM RP LOG # 40102

LOT# (QUANTIMS ID) G6G190409 QUOTE# 70792 LOCATION WC

	Initials	Date
DATE RECEIVED 7/19/04 TIME RECEIVED 0950	NL	7/19/04

DELIVERED BY
- ☑ FEDEX
- ☐ CA OVERNIGHT
- ☐ CLIENT
- ☐ AIRBORNE
- ☐ GOLDENSTATE
- ☐ DHL
- ☐ UPS
- ☐ BAX GLOBAL
- ☐ GO-GETTERS
- ☐ STL COURIER
- ☐ COURIERS ON DEMAND
- ☐ OTHER

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☑ N/A

CUSTODY SEAL #(S) NA

SHIPPPING CONTAINER(S) ☑ STL ☐ CLIENT ☐ N/A

TEMPERTURE RECORD (IN °C) IR 1☐ 3☑ ☐ OTHER

COC #(S)

TEMPERATURE BLANK Observed: Corrected:

SAMPLE TEMPERATURE See Sheet 2

Observed: Average: Corrected Average:

COLLECTOR'S NAME: ☑ Verified from COC ☐ Not on COC

pH MEASURED ☐ YES ☐ ANOMALY ☑ N/A

LABELED BY

LABELS CHECKED BY

PEER REVIEW ☐ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING
- WETCHEM ☑ N/A
- VOA-ENCORES ☑ N/A

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☑ N/A

☐ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES ☑ N/A

☑ Clouseau ☐ TEMPERATURE EXCEEDED (2 °C – 6 °C)*1 ☐ N/A

☐ WET ICE ☐ BLUE ICE ☐ GEL PACK ☐ NO COOLING AGENTS USED ☑ PM NOTIFIED

Notes: Recieved sample 1203 Y-1-2 with broken cap
taped vials

*1 Acceptable temperature range for State of Wisconsin samples is ≤ 4°C.

LEAVE NO SPACES BLANK. USE "N/A" IF NOT APPLICABLE. INITIAL AND DATE ALL "N/A" ENTRIES.

SEVERN TRENT STL

MULTI COOLER RECEIPT CHECKLIST
STL Sacramento

CLIENT: Parsons LOT# (QUANTIMS ID): G6G190409

	INITIALS	DATE
TEMPERTURE RECORD (IN °C) IR 1☐ 3☑ ☐ OTHER_____	ML	7/19/06

COOLER ID 1
CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☑ N/A
CUSTODY SEAL #(S) NA
COC #(S) NA
TEMPERATURE BLANK: OBSERVED: NA CORRECTED: NA
SAMPLE TEMPERATURE:
OBSERVED: 3 5 6 AVERAGE: 5 CORRECTED: 5
SAMPLES / TESTS (IF NCM REQUIRED):

COOLER ID 2
CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☑ N/A
CUSTODY SEAL #(S) NA
COC #(S) NA
TEMPERATURE BLANK: OBSERVED: NA CORRECTED: NA
SAMPLE TEMPERATURE:
OBSERVED: 3 4 5 AVERAGE: 4 CORRECTED: 4
SAMPLES / TESTS (IF NCM REQUIRED):

COOLER ID_____
CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☐ N/A
CUSTODY SEAL #(S)
COC #(S)
TEMPERATURE BLANK: OBSERVED: CORRECTED:
SAMPLE TEMPERATURE:
OBSERVED: AVERAGE: CORRECTED:
SAMPLES / TESTS (IF NCM REQUIRED):

LEAVE NO SPACES BLANK. USE "N/A" IF NOT APPLICABLE. INITIAL AND DATE ALL "N/A" ENTRIES.

QA-185 1/06 DAW, Page 2

SEVERN TRENT STL

Bottle Lot Inventory

Lot ID: G6G190409

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
/OA*																				
/OAh*																				
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ	2	X	2	X	3	X	3	X	2	X	2	X	3	X	3	X	2	X	2	X
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
_____"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid **s** = sulfuric acid **na** = sodium hydroxide **n** = nitric acid **zn** = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 5/05 EM

Page 3

SEVERN TRENT STL

Bottle Lot Inventory

Lot ID: G6G190409

	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
____AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
____CGJ																				
500CGJ																				
250CGJ																				
125CGJ	2	X	2	X	6	X	6	X	3	X	3	X	3	X	3	X	3	X	3	X
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
_____"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

h = hydrochloric acid **s** = sulfuric acid **na** = sodium hydroxide **n** = nitric acid **zn** = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 3/05 EM

	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
VOA																				
VOAh																				
____AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
250AGBna																				
____AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
____CGJ																				
500CGJ																				
250CGJ																				
125CGJ	6	X	6	X	2	X	2	X												
____PB/PJ																				
____PBn/PJn																				
500PB/PJ																				
500PBn/PJn																				
500PBna																				
500PBzn/na																				
250PB																				
250PBn																				
250PBna																				
250PBzn/na																				
____"CT																				
Encore																				
Folder/Filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60

h = hydrochloric acid **s** = sulfuric acid **na** = sodium hydroxide **n** = nitric acid **zn** = zinc acetate

* Number of VOA's with air bubbles present / total number of VOA's

QA185 10/98 MCD

SOLID, 8081A, Pesticides

Parsons Corporation

Client Sample ID: 1202Y-1-1,2-1 COMP

GC Semivolatiles

Lot-Sample #...: G6G190409-002 **Work Order #...:** H9LF81AA **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
Prep Date.....: 07/27/06 **Analysis Date..:** 08/15/06
Prep Batch #...: 6208257
Dilution Factor: 1
% Moisture.....: 15 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.0	ug/kg	0.14
gamma-BHC (Lindane)	ND	2.0	ug/kg	0.15
Heptachlor	ND	2.0	ug/kg	0.20
Aldrin	ND	2.0	ug/kg	0.13
beta-BHC	ND	2.0	ug/kg	0.14
delta-BHC	**0.12 J,B**	**2.0**	**ug/kg**	**0.077**
Heptachlor epoxide	ND	2.0	ug/kg	0.12
Endosulfan I	ND	2.0	ug/kg	0.20
gamma-Chlordane	ND	2.0	ug/kg	0.18
alpha-Chlordane	ND	2.0	ug/kg	0.25
4,4'-DDE	ND	4.0	ug/kg	0.30
Dieldrin	ND	4.0	ug/kg	0.26
Endrin	ND	4.0	ug/kg	0.35
4,4'-DDD	ND	4.0	ug/kg	0.31
Endosulfan II	ND	4.0	ug/kg	0.36
4,4'-DDT	**0.90 J,B**	**4.0**	**ug/kg**	**0.15**
Endrin aldehyde	ND	4.0	ug/kg	0.20
Methoxychlor	ND	20	ug/kg	1.5
Endosulfan sulfate	ND	4.0	ug/kg	0.26
Endrin ketone	ND	4.0	ug/kg	0.28
Toxaphene	ND	79	ug/kg	25

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	68	(55 - 130)
Tetrachloro-m-xylene	80	(70 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Parsons Corporation

Client Sample ID: 1202Y-1-1,2-1 COMP

GC Semivolatiles

Lot-Sample #...: G6G190409-002 Work Order #...: H9LF82AA Matrix.....: SOLID
Date Sampled...: 07/17/06 Date Received..: 07/19/06
Prep Date.....: 08/15/06 Analysis Date..: 08/22/06
Prep Batch #...: 6227593
Dilution Factor: 1
% Moisture.....: 15 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.0	ug/kg	0.14
gamma-BHC (Lindane)	ND	2.0	ug/kg	0.15
Heptachlor	ND	2.0	ug/kg	0.20
Aldrin	ND	2.0	ug/kg	0.13
beta-BHC	ND	2.0	ug/kg	0.14
delta-BHC	ND	2.0	ug/kg	0.077
Heptachlor epoxide	ND	2.0	ug/kg	0.12
Endosulfan I	ND	2.0	ug/kg	0.20
gamma-Chlordane	ND	2.0	ug/kg	0.18
alpha-Chlordane	ND	2.0	ug/kg	0.25
4,4'-DDE	**0.77 J,PG**	**4.0**	**ug/kg**	**0.30**
Dieldrin	**0.47 J**	**4.0**	**ug/kg**	**0.26**
Endrin	ND	4.0	ug/kg	0.35
4,4'-DDD	ND	4.0	ug/kg	0.31
Endosulfan II	ND	4.0	ug/kg	0.36
4,4'-DDT	**1.1 J,PG**	**4.0**	**ug/kg**	**0.15**
Endrin aldehyde	ND	4.0	ug/kg	0.20
Methoxychlor	ND	20	ug/kg	1.5
Endosulfan sulfate	ND	4.0	ug/kg	0.26
Endrin ketone	ND	4.0	ug/kg	0.28
Toxaphene	ND	79	ug/kg	25

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	83	(55 - 130)
Tetrachloro-m-xylene	71	(70 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Parsons Corporation

Client Sample ID: 1202Y-1-2,2-2 COMP

GC Semivolatiles

Lot-Sample #...:	G6G190409-004	**Work Order #...:**	H9LGC1AA	**Matrix.....:**	SOLID
Date Sampled...:	07/17/06	**Date Received..:**	07/19/06		
Prep Date.....:	07/27/06	**Analysis Date..:**	08/15/06		
Prep Batch #...:	6208257				
Dilution Factor:	1				
% Moisture.....:	13	**Method.....:**	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.0	ug/kg	0.13
gamma-BHC (Lindane)	ND	2.0	ug/kg	0.15
Heptachlor	ND	2.0	ug/kg	0.19
Aldrin	**0.30 J,B,PG**	**2.0**	**ug/kg**	**0.13**
beta-BHC	ND	2.0	ug/kg	0.14
delta-BHC	**0.17 J,B**	**2.0**	**ug/kg**	**0.076**
Heptachlor epoxide	ND	2.0	ug/kg	0.12
Endosulfan I	ND	2.0	ug/kg	0.20
gamma-Chlordane	ND	2.0	ug/kg	0.18
alpha-Chlordane	ND	2.0	ug/kg	0.25
4,4'-DDE	ND	3.9	ug/kg	0.29
Dieldrin	ND	3.9	ug/kg	0.26
Endrin	ND	3.9	ug/kg	0.34
4,4'-DDD	ND	3.9	ug/kg	0.30
Endosulfan II	ND	3.9	ug/kg	0.36
4,4'-DDT	**0.62 J,B,PG**	**3.9**	**ug/kg**	**0.15**
Endrin aldehyde	ND	3.9	ug/kg	0.20
Methoxychlor	ND	20	ug/kg	1.5
Endosulfan sulfate	ND	3.9	ug/kg	0.25
Endrin ketone	ND	3.9	ug/kg	0.27
Toxaphene	ND	77	ug/kg	25

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	69	(55 - 130)
Tetrachloro-m-xylene	79	(70 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Parsons Corporation

Client Sample ID: 1202Y-1-2,2-2 COMP

GC Semivolatiles

Lot-Sample #...: G6G190409-004 **Work Order #...:** H9LGC2AA **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
Prep Date.....: 08/15/06 **Analysis Date..:** 08/22/06
Prep Batch #...: 6227593
Dilution Factor: 1
% Moisture.....: 13 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.0	ug/kg	0.13
gamma-BHC (Lindane)	ND	2.0	ug/kg	0.15
Heptachlor	ND	2.0	ug/kg	0.19
Aldrin	ND	2.0	ug/kg	0.13
beta-BHC	ND	2.0	ug/kg	0.14
delta-BHC	ND	2.0	ug/kg	0.076
Heptachlor epoxide	ND	2.0	ug/kg	0.12
Endosulfan I	ND	2.0	ug/kg	0.20
gamma-Chlordane	ND	2.0	ug/kg	0.18
alpha-Chlordane	ND	2.0	ug/kg	0.25
4,4'-DDE	ND	3.9	ug/kg	0.29
Dieldrin	ND	3.9	ug/kg	0.26
Endrin	ND	3.9	ug/kg	0.34
4,4'-DDD	ND	3.9	ug/kg	0.30
Endosulfan II	ND	3.9	ug/kg	0.36
4,4'-DDT	**1.9 J**	**3.9**	**ug/kg**	**0.15**
Endrin aldehyde	ND	3.9	ug/kg	0.20
Methoxychlor	ND	20	ug/kg	1.5
Endosulfan sulfate	ND	3.9	ug/kg	0.25
Endrin ketone	ND	3.9	ug/kg	0.27
Toxaphene	ND	77	ug/kg	25

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	87	(55 - 130)
Tetrachloro-m-xylene	75	(70 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Parsons Corporation

Client Sample ID: 1202Y-3-1,4-1,5-1 COMP

GC Semivolatiles

Lot-Sample #...: G6G190409-006 **Work Order #...:** H9LGG1AA **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
Prep Date.....: 07/27/06 **Analysis Date..:** 08/15/06
Prep Batch #...: 6208257
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.1	ug/kg	0.14
gamma-BHC (Lindane)	ND	2.1	ug/kg	0.16
Heptachlor	ND	2.1	ug/kg	0.20
Aldrin	**0.30 J,B**	**2.1**	**ug/kg**	**0.14**
beta-BHC	ND	2.1	ug/kg	0.14
delta-BHC	**0.10 J,B**	**2.1**	**ug/kg**	**0.079**
Heptachlor epoxide	**0.66 J,PG**	**2.1**	**ug/kg**	**0.13**
Endosulfan I	ND	2.1	ug/kg	0.21
gamma-Chlordane	**3.1 PG**	**2.1**	**ug/kg**	**0.19**
alpha-Chlordane	**2.4**	**2.1**	**ug/kg**	**0.26**
4,4'-DDE	**1.0 J,B**	**4.1**	**ug/kg**	**0.30**
Dieldrin	ND	4.1	ug/kg	0.27
Endrin	ND	4.1	ug/kg	0.35
4,4'-DDD	ND	4.1	ug/kg	0.32
Endosulfan II	ND	4.1	ug/kg	0.37
4,4'-DDT	**1.8 J,B**	**4.1**	**ug/kg**	**0.16**
Endrin aldehyde	ND	4.1	ug/kg	0.21
Methoxychlor	ND	21	ug/kg	1.5
Endosulfan sulfate	ND	4.1	ug/kg	0.26
Endrin ketone	ND	4.1	ug/kg	0.28
Toxaphene	ND	81	ug/kg	26

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	71	(55 - 130)
Tetrachloro-m-xylene	80	(70 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Parsons Corporation

Client Sample ID: 1202Y-3-1,4-1,5-1 COMP

GC Semivolatiles

Lot-Sample #...: G6G190409-006 Work Order #...: H9LGG2AA Matrix.....: SOLID
Date Sampled...: 07/17/06 Date Received..: 07/19/06
Prep Date.....: 08/15/06 Analysis Date..: 08/22/06
Prep Batch #...: 6227593
Dilution Factor: 1
% Moisture.....: 17 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.1	ug/kg	0.14
gamma-BHC (Lindane)	**0.54 J**	**2.1**	**ug/kg**	**0.16**
Heptachlor	ND	2.1	ug/kg	0.20
Aldrin	**0.94 J,PG**	**2.1**	**ug/kg**	**0.14**
beta-BHC	ND	2.1	ug/kg	0.14
delta-BHC	ND	2.1	ug/kg	0.079
Heptachlor epoxide	**0.52 J**	**2.1**	**ug/kg**	**0.13**
Endosulfan I	**0.44 J**	**2.1**	**ug/kg**	**0.21**
gamma-Chlordane	**1.8 J**	**2.1**	**ug/kg**	**0.19**
alpha-Chlordane	**2.0 J**	**2.1**	**ug/kg**	**0.26**
4,4'-DDE	**1.0 J**	**4.1**	**ug/kg**	**0.30**
Dieldrin	**1.2 J,PG**	**4.1**	**ug/kg**	**0.27**
Endrin	ND	4.1	ug/kg	0.35
4,4'-DDD	ND	4.1	ug/kg	0.32
Endosulfan II	ND	4.1	ug/kg	0.37
4,4'-DDT	**1.4 J**	**4.1**	**ug/kg**	**0.16**
Endrin aldehyde	ND	4.1	ug/kg	0.21
Methoxychlor	ND	21	ug/kg	1.5
Endosulfan sulfate	ND	4.1	ug/kg	0.26
Endrin ketone	ND	4.1	ug/kg	0.28
Toxaphene	ND	81	ug/kg	26

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	101	(55 - 130)
Tetrachloro-m-xylene	71	(70 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Parsons Corporation

Client Sample ID: 1202Y-3-2,4-2,5-2 COMP

GC Semivolatiles

Lot-Sample #...: G6G190409-008 Work Order #...: H9LGJ1AA Matrix.....: SOLID
Date Sampled...: 07/17/06 Date Received..: 07/19/06
Prep Date.....: 07/27/06 Analysis Date..: 08/15/06
Prep Batch #...: 6208257
Dilution Factor: 1
% Moisture.....: 21 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.1	ug/kg	0.15
gamma-BHC (Lindane)	ND	2.1	ug/kg	0.16
Heptachlor	ND	2.1	ug/kg	0.21
Aldrin	ND	2.1	ug/kg	0.14
beta-BHC	ND	2.1	ug/kg	0.15
delta-BHC	ND	2.1	ug/kg	0.082
Heptachlor epoxide	**0.45 J**	**2.1**	**ug/kg**	**0.13**
Endosulfan I	ND	2.1	ug/kg	0.22
gamma-Chlordane	**0.25 J**	**2.1**	**ug/kg**	**0.20**
alpha-Chlordane	**0.27 J**	**2.1**	**ug/kg**	**0.27**
4,4'-DDE	**0.79 J,B**	**4.3**	**ug/kg**	**0.32**
Dieldrin	ND	4.3	ug/kg	0.28
Endrin	ND	4.3	ug/kg	0.37
4,4'-DDD	ND	4.3	ug/kg	0.33
Endosulfan II	ND	4.3	ug/kg	0.39
4,4'-DDT	**1.2 J,B**	**4.3**	**ug/kg**	**0.16**
Endrin aldehyde	ND	4.3	ug/kg	0.22
Methoxychlor	ND	21	ug/kg	1.6
Endosulfan sulfate	ND	4.3	ug/kg	0.27
Endrin ketone	ND	4.3	ug/kg	0.30
Toxaphene	ND	84	ug/kg	27

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	65	(55 - 130)
Tetrachloro-m-xylene	80	(70 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Parsons Corporation

Client Sample ID: 1202Y-3-2,4-2,5-2 COMP

GC Semivolatiles

Lot-Sample #...: G6G190409-008 **Work Order #...:** H9LGJ2AA **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
Prep Date.....: 08/15/06 **Analysis Date..:** 08/22/06
Prep Batch #...: 6227593
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.1	ug/kg	0.15
gamma-BHC (Lindane)	ND	2.1	ug/kg	0.16
Heptachlor	**1.0 J**	**2.1**	**ug/kg**	**0.21**
Aldrin	ND	2.1	ug/kg	0.14
beta-BHC	ND	2.1	ug/kg	0.15
delta-BHC	ND	2.1	ug/kg	0.082
Heptachlor epoxide	**1.1 J**	**2.1**	**ug/kg**	**0.13**
Endosulfan I	ND	2.1	ug/kg	0.22
gamma-Chlordane	**2.0 J**	**2.1**	**ug/kg**	**0.20**
alpha-Chlordane	**1.7 J**	**2.1**	**ug/kg**	**0.27**
4,4'-DDE	**0.87 J,PG**	**4.3**	**ug/kg**	**0.32**
Dieldrin	ND	4.3	ug/kg	0.28
Endrin	ND	4.3	ug/kg	0.37
4,4'-DDD	**0.76 J**	**4.3**	**ug/kg**	**0.33**
Endosulfan II	ND	4.3	ug/kg	0.39
4,4'-DDT	**5.8**	**4.3**	**ug/kg**	**0.16**
Endrin aldehyde	ND	4.3	ug/kg	0.22
Methoxychlor	ND	21	ug/kg	1.6
Endosulfan sulfate	ND	4.3	ug/kg	0.27
Endrin ketone	ND	4.3	ug/kg	0.30
Toxaphene	ND	84	ug/kg	27

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	85	(55 - 130)
Tetrachloro-m-xylene	74	(70 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Parsons Corporation

Client Sample ID: 1202Y-7-1,8-1 COMP

GC Semivolatiles

Lot-Sample #...: G6G190409-010	**Work Order #...:** H9LGN1AA	**Matrix.....:** SOLID	
Date Sampled...: 07/17/06	**Date Received..:** 07/19/06		
Prep Date.....: 07/27/06	**Analysis Date..:** 08/15/06		
Prep Batch #...: 6208257			
Dilution Factor: 1			
% Moisture.....: 1.4	**Method.....:** SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	1.7	ug/kg	0.12
gamma-BHC (Lindane)	ND	1.7	ug/kg	0.13
Heptachlor	ND	1.7	ug/kg	0.17
Aldrin	ND	1.7	ug/kg	0.12
beta-BHC	ND	1.7	ug/kg	0.12
delta-BHC	**0.095 J,B**	**1.7**	**ug/kg**	**0.066**
Heptachlor epoxide	ND	1.7	ug/kg	0.11
Endosulfan I	ND	1.7	ug/kg	0.17
gamma-Chlordane	ND	1.7	ug/kg	0.16
alpha-Chlordane	ND	1.7	ug/kg	0.22
4,4'-DDE	ND	3.4	ug/kg	0.26
Dieldrin	ND	3.4	ug/kg	0.23
Endrin	ND	3.4	ug/kg	0.30
4,4'-DDD	ND	3.4	ug/kg	0.27
Endosulfan II	ND	3.4	ug/kg	0.31
4,4'-DDT	**0.37 J,B**	**3.4**	**ug/kg**	**0.13**
Endrin aldehyde	ND	3.4	ug/kg	0.17
Methoxychlor	ND	17	ug/kg	1.3
Endosulfan sulfate	ND	3.4	ug/kg	0.22
Endrin ketone	ND	3.4	ug/kg	0.24
Toxaphene	ND	68	ug/kg	22

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	88	(55 - 130)
Tetrachloro-m-xylene	97	(70 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Parsons Corporation

Client Sample ID: 1202Y-7-1,8-1 COMP

GC Semivolatiles

Lot-Sample #...: G6G190409-010 **Work Order #...:** H9LGN2AA **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
Prep Date.....: 08/15/06 **Analysis Date..:** 08/22/06
Prep Batch #...: 6227593
Dilution Factor: 1
% Moisture.....: 1.4 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	1.7	ug/kg	0.12
gamma-BHC (Lindane)	ND	1.7	ug/kg	0.13
Heptachlor	ND	1.7	ug/kg	0.17
Aldrin	ND	1.7	ug/kg	0.12
beta-BHC	ND	1.7	ug/kg	0.12
delta-BHC	ND	1.7	ug/kg	0.066
Heptachlor epoxide	ND	1.7	ug/kg	0.11
Endosulfan I	ND	1.7	ug/kg	0.17
gamma-Chlordane	ND	1.7	ug/kg	0.16
alpha-Chlordane	ND	1.7	ug/kg	0.22
4,4'-DDE	ND	3.4	ug/kg	0.26
Dieldrin	ND	3.4	ug/kg	0.23
Endrin	ND	3.4	ug/kg	0.30
4,4'-DDD	ND	3.4	ug/kg	0.27
Endosulfan II	ND	3.4	ug/kg	0.31
4,4'-DDT	**1.9 J**	**3.4**	**ug/kg**	**0.13**
Endrin aldehyde	ND	3.4	ug/kg	0.17
Methoxychlor	ND	17	ug/kg	1.3
Endosulfan sulfate	ND	3.4	ug/kg	0.22
Endrin ketone	ND	3.4	ug/kg	0.24
Toxaphene	ND	68	ug/kg	22

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	83	(55 - 130)
Tetrachloro-m-xylene	78	(70 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Parsons Corporation

Client Sample ID: 1202Y-7-2,8-2 COMP

GC Semivolatiles

Lot-Sample #...: G6G190409-012 **Work Order #...:** H9LGR1AA **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
Prep Date.....: 07/27/06 **Analysis Date..:** 08/15/06
Prep Batch #...: 6208257
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.1	ug/kg	0.14
gamma-BHC (Lindane)	ND	2.1	ug/kg	0.16
Heptachlor	ND	2.1	ug/kg	0.20
Aldrin	ND	2.1	ug/kg	0.14
beta-BHC	ND	2.1	ug/kg	0.14
delta-BHC	**0.18 J,B**	**2.1**	**ug/kg**	**0.080**
Heptachlor epoxide	ND	2.1	ug/kg	0.13
Endosulfan I	ND	2.1	ug/kg	0.21
gamma-Chlordane	ND	2.1	ug/kg	0.19
alpha-Chlordane	ND	2.1	ug/kg	0.26
4,4'-DDE	ND	4.1	ug/kg	0.31
Dieldrin	ND	4.1	ug/kg	0.27
Endrin	ND	4.1	ug/kg	0.36
4,4'-DDD	ND	4.1	ug/kg	0.32
Endosulfan II	ND	4.1	ug/kg	0.38
4,4'-DDT	**0.42 J,B**	**4.1**	**ug/kg**	**0.16**
Endrin aldehyde	ND	4.1	ug/kg	0.21
Methoxychlor	ND	21	ug/kg	1.5
Endosulfan sulfate	ND	4.1	ug/kg	0.26
Endrin ketone	ND	4.1	ug/kg	0.29
Toxaphene	ND	82	ug/kg	26

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	55	(55 - 130)
Tetrachloro-m-xylene	80	(70 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Parsons Corporation

Client Sample ID: 1202Y-7-2,8-2 COMP

GC Semivolatiles

Lot-Sample #...: G6G190409-012 **Work Order #...:** H9LGR2AA **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
Prep Date.....: 08/15/06 **Analysis Date..:** 08/22/06
Prep Batch #...: 6227593
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.1	ug/kg	0.14
gamma-BHC (Lindane)	ND	2.1	ug/kg	0.16
Heptachlor	ND	2.1	ug/kg	0.20
Aldrin	ND	2.1	ug/kg	0.14
beta-BHC	ND	2.1	ug/kg	0.14
delta-BHC	ND	2.1	ug/kg	0.080
Heptachlor epoxide	ND	2.1	ug/kg	0.13
Endosulfan I	ND	2.1	ug/kg	0.21
gamma-Chlordane	**0.19 J**	**2.1**	**ug/kg**	**0.19**
alpha-Chlordane	ND	2.1	ug/kg	0.26
4,4'-DDE	ND	4.1	ug/kg	0.31
Dieldrin	ND	4.1	ug/kg	0.27
Endrin	ND	4.1	ug/kg	0.36
4,4'-DDD	ND	4.1	ug/kg	0.32
Endosulfan II	ND	4.1	ug/kg	0.38
4,4'-DDT	**0.75 J**	**4.1**	**ug/kg**	**0.16**
Endrin aldehyde	ND	4.1	ug/kg	0.21
Methoxychlor	ND	21	ug/kg	1.5
Endosulfan sulfate	ND	4.1	ug/kg	0.26
Endrin ketone	ND	4.1	ug/kg	0.29
Toxaphene	ND	82	ug/kg	26

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	87	(55 - 130)
Tetrachloro-m-xylene	81	(70 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Parsons Corporation

Client Sample ID: 1203Y-3-1,4-1,5-1 COMP

GC Semivolatiles

Lot-Sample #...: G6G190409-014 Work Order #...: H9LGW1AA Matrix.....: SOLID
Date Sampled...: 07/17/06 Date Received..: 07/19/06
Prep Date.....: 07/27/06 Analysis Date..: 08/15/06
Prep Batch #...: 6208257
Dilution Factor: 1
% Moisture.....: 18 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.1	ug/kg	0.14
gamma-BHC (Lindane)	ND	2.1	ug/kg	0.16
Heptachlor	ND	2.1	ug/kg	0.20
Aldrin	ND	2.1	ug/kg	0.14
beta-BHC	ND	2.1	ug/kg	0.14
delta-BHC	**0.14 J,B**	**2.1**	**ug/kg**	**0.080**
Heptachlor epoxide	ND	2.1	ug/kg	0.13
Endosulfan I	ND	2.1	ug/kg	0.21
gamma-Chlordane	**0.24 J**	**2.1**	**ug/kg**	**0.19**
alpha-Chlordane	**0.31 J**	**2.1**	**ug/kg**	**0.26**
4,4'-DDE	**1.3 J,B**	**4.2**	**ug/kg**	**0.31**
Dieldrin	ND	4.2	ug/kg	0.28
Endrin	ND	4.2	ug/kg	0.36
4,4'-DDD	ND	4.2	ug/kg	0.32
Endosulfan II	ND	4.2	ug/kg	0.38
4,4'-DDT	**1.3 J,B**	**4.2**	**ug/kg**	**0.16**
Endrin aldehyde	ND	4.2	ug/kg	0.21
Methoxychlor	ND	21	ug/kg	1.5
Endosulfan sulfate	ND	4.2	ug/kg	0.27
Endrin ketone	ND	4.2	ug/kg	0.29
Toxaphene	ND	82	ug/kg	26

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	63	(55 - 130)
Tetrachloro-m-xylene	83	(70 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Parsons Corporation

Client Sample ID: 1203Y-3-1,4-1,5-1 COMP

GC Semivolatiles

Lot-Sample #...: G6G190409-014 **Work Order #...:** H9LGW2AA **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
Prep Date.....: 08/15/06 **Analysis Date..:** 08/23/06
Prep Batch #...: 6227593
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.1	ug/kg	0.14
gamma-BHC (Lindane)	ND	2.1	ug/kg	0.16
Heptachlor	ND	2.1	ug/kg	0.20
Aldrin	ND	2.1	ug/kg	0.14
beta-BHC	ND	2.1	ug/kg	0.14
delta-BHC	ND	2.1	ug/kg	0.080
Heptachlor epoxide	ND	2.1	ug/kg	0.13
Endosulfan I	ND	2.1	ug/kg	0.21
gamma-Chlordane	ND	2.1	ug/kg	0.19
alpha-Chlordane	**0.42 J**	**2.1**	**ug/kg**	**0.26**
4,4'-DDE	**1.2 J**	**4.2**	**ug/kg**	**0.31**
Dieldrin	ND	4.2	ug/kg	0.28
Endrin	ND	4.2	ug/kg	0.36
4,4'-DDD	ND	4.2	ug/kg	0.32
Endosulfan II	ND	4.2	ug/kg	0.38
4,4'-DDT	**0.61 J,PG**	**4.2**	**ug/kg**	**0.16**
Endrin aldehyde	ND	4.2	ug/kg	0.21
Methoxychlor	ND	21	ug/kg	1.5
Endosulfan sulfate	ND	4.2	ug/kg	0.27
Endrin ketone	ND	4.2	ug/kg	0.29
Toxaphene	ND	82	ug/kg	26

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	91	(55 - 130)
Tetrachloro-m-xylene	81	(70 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Parsons Corporation

Client Sample ID: 1203Y-3-2,4-2,5-2 COMP

GC Semivolatiles

Lot-Sample #...: G6G190409-016 **Work Order #...:** H9LG01AA **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
Prep Date.....: 07/27/06 **Analysis Date..:** 08/15/06
Prep Batch #...: 6208257
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.0	ug/kg	0.14
gamma-BHC (Lindane)	ND	2.0	ug/kg	0.16
Heptachlor	ND	2.0	ug/kg	0.20
Aldrin	ND	2.0	ug/kg	0.14
beta-BHC	ND	2.0	ug/kg	0.14
delta-BHC	ND	2.0	ug/kg	0.079
Heptachlor epoxide	ND	2.0	ug/kg	0.13
Endosulfan I	ND	2.0	ug/kg	0.21
gamma-Chlordane	ND	2.0	ug/kg	0.19
alpha-Chlordane	**0.30 J**	**2.0**	**ug/kg**	**0.26**
4,4'-DDE	**0.87 J,B**	**4.1**	**ug/kg**	**0.30**
Dieldrin	ND	4.1	ug/kg	0.27
Endrin	ND	4.1	ug/kg	0.35
4,4'-DDD	ND	4.1	ug/kg	0.32
Endosulfan II	ND	4.1	ug/kg	0.37
4,4'-DDT	**0.22 J,B**	**4.1**	**ug/kg**	**0.16**
Endrin aldehyde	ND	4.1	ug/kg	0.21
Methoxychlor	ND	20	ug/kg	1.5
Endosulfan sulfate	ND	4.1	ug/kg	0.26
Endrin ketone	ND	4.1	ug/kg	0.28
Toxaphene	ND	81	ug/kg	26

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	62	(55 - 130)
Tetrachloro-m-xylene	77	(70 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Parsons Corporation

Client Sample ID: 1203Y-3-2,4-2,5-2 COMP

GC Semivolatiles

Lot-Sample #...: G6G190409-016 **Work Order #...:** H9LG02AA **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
Prep Date.....: 08/15/06 **Analysis Date..:** 08/23/06
Prep Batch #...: 6227593
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.0	ug/kg	0.14
gamma-BHC (Lindane)	ND	2.0	ug/kg	0.16
Heptachlor	ND	2.0	ug/kg	0.20
Aldrin	ND	2.0	ug/kg	0.14
beta-BHC	ND	2.0	ug/kg	0.14
delta-BHC	ND	2.0	ug/kg	0.079
Heptachlor epoxide	ND	2.0	ug/kg	0.13
Endosulfan I	ND	2.0	ug/kg	0.21
gamma-Chlordane	**0.40 J**	**2.0**	**ug/kg**	**0.19**
alpha-Chlordane	**0.42 J**	**2.0**	**ug/kg**	**0.26**
4,4'-DDE	**1.4 J,PG**	**4.1**	**ug/kg**	**0.30**
Dieldrin	ND	4.1	ug/kg	0.27
Endrin	ND	4.1	ug/kg	0.35
4,4'-DDD	**0.93 J**	**4.1**	**ug/kg**	**0.32**
Endosulfan II	ND	4.1	ug/kg	0.37
4,4'-DDT	**6.4**	**4.1**	**ug/kg**	**0.16**
Endrin aldehyde	ND	4.1	ug/kg	0.21
Methoxychlor	ND	20	ug/kg	1.5
Endosulfan sulfate	ND	4.1	ug/kg	0.26
Endrin ketone	ND	4.1	ug/kg	0.28
Toxaphene	ND	81	ug/kg	26

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	91	(55 - 130)
Tetrachloro-m-xylene	83	(70 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Parsons Corporation

Client Sample ID: 1203Y-1-1,2-1 COMP

GC Semivolatiles

Lot-Sample #...:	G6G190409-018	**Work Order #...:**	H9LG21AA	**Matrix.....:**	SOLID
Date Sampled...:	07/17/06	**Date Received..:**	07/19/06		
Prep Date.....:	07/27/06	**Analysis Date..:**	08/15/06		
Prep Batch #...:	6208257				
Dilution Factor:	1				
% Moisture.....:	15	**Method.....:**	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.0	ug/kg	0.14
gamma-BHC (Lindane)	ND	2.0	ug/kg	0.15
Heptachlor	ND	2.0	ug/kg	0.20
Aldrin	ND	2.0	ug/kg	0.13
beta-BHC	ND	2.0	ug/kg	0.14
delta-BHC	ND	2.0	ug/kg	0.077
Heptachlor epoxide	ND	2.0	ug/kg	0.12
Endosulfan I	ND	2.0	ug/kg	0.20
gamma-Chlordane	ND	2.0	ug/kg	0.18
alpha-Chlordane	ND	2.0	ug/kg	0.25
4,4'-DDE	ND	4.0	ug/kg	0.30
Dieldrin	ND	4.0	ug/kg	0.26
Endrin	ND	4.0	ug/kg	0.35
4,4'-DDD	ND	4.0	ug/kg	0.31
Endosulfan II	ND	4.0	ug/kg	0.36
4,4'-DDT	**0.44 J,B**	**4.0**	**ug/kg**	**0.15**
Endrin aldehyde	ND	4.0	ug/kg	0.20
Methoxychlor	ND	20	ug/kg	1.5
Endosulfan sulfate	ND	4.0	ug/kg	0.26
Endrin ketone	ND	4.0	ug/kg	0.28
Toxaphene	ND	79	ug/kg	25

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	66	(55 - 130)
Tetrachloro-m-xylene	86	(70 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Parsons Corporation

Client Sample ID: 1203Y-1-1,2-1 COMP

GC Semivolatiles

Lot-Sample #...: G6G190409-018 **Work Order #...:** H9LG22AA **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
Prep Date.....: 08/15/06 **Analysis Date..:** 08/23/06
Prep Batch #...: 6227593
Dilution Factor: 1
% Moisture.....: 15 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.0	ug/kg	0.14
gamma-BHC (Lindane)	ND	2.0	ug/kg	0.15
Heptachlor	ND	2.0	ug/kg	0.20
Aldrin	ND	2.0	ug/kg	0.13
beta-BHC	ND	2.0	ug/kg	0.14
delta-BHC	ND	2.0	ug/kg	0.077
Heptachlor epoxide	ND	2.0	ug/kg	0.12
Endosulfan I	ND	2.0	ug/kg	0.20
gamma-Chlordane	ND	2.0	ug/kg	0.18
alpha-Chlordane	ND	2.0	ug/kg	0.25
4,4'-DDE	**1.0 J,PG**	**4.0**	**ug/kg**	**0.30**
Dieldrin	ND	4.0	ug/kg	0.26
Endrin	ND	4.0	ug/kg	0.35
4,4'-DDD	**0.52 J**	**4.0**	**ug/kg**	**0.31**
Endosulfan II	ND	4.0	ug/kg	0.36
4,4'-DDT	**5.3**	**4.0**	**ug/kg**	**0.15**
Endrin aldehyde	ND	4.0	ug/kg	0.20
Methoxychlor	ND	20	ug/kg	1.5
Endosulfan sulfate	ND	4.0	ug/kg	0.26
Endrin ketone	ND	4.0	ug/kg	0.28
Toxaphene	ND	79	ug/kg	25

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	95	(55 - 130)
Tetrachloro-m-xylene	82	(70 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Parsons Corporation

Client Sample ID: 1203Y-1-2,2-2 COMP

GC Semivolatiles

Lot-Sample #...: G6G190409-020 **Work Order #...:** H9LG41AA **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
Prep Date.....: 07/27/06 **Analysis Date..:** 08/15/06
Prep Batch #...: 6208257
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.0	ug/kg	0.14
gamma-BHC (Lindane)	ND	2.0	ug/kg	0.15
Heptachlor	ND	2.0	ug/kg	0.20
Aldrin	ND	2.0	ug/kg	0.14
beta-BHC	ND	2.0	ug/kg	0.14
delta-BHC	**0.13 J,B**	**2.0**	**ug/kg**	**0.079**
Heptachlor epoxide	ND	2.0	ug/kg	0.13
Endosulfan I	ND	2.0	ug/kg	0.21
gamma-Chlordane	ND	2.0	ug/kg	0.19
alpha-Chlordane	ND	2.0	ug/kg	0.26
4,4'-DDE	ND	4.1	ug/kg	0.30
Dieldrin	ND	4.1	ug/kg	0.27
Endrin	ND	4.1	ug/kg	0.35
4,4'-DDD	ND	4.1	ug/kg	0.31
Endosulfan II	ND	4.1	ug/kg	0.37
4,4'-DDT	ND	4.1	ug/kg	0.16
Endrin aldehyde	ND	4.1	ug/kg	0.21
Methoxychlor	ND	20	ug/kg	1.5
Endosulfan sulfate	ND	4.1	ug/kg	0.26
Endrin ketone	ND	4.1	ug/kg	0.28
Toxaphene	ND	81	ug/kg	26

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	64	(55 - 130)
Tetrachloro-m-xylene	88	(70 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Parsons Corporation

Client Sample ID: 1203Y-1-2,2-2 COMP

GC Semivolatiles

Lot-Sample #...: G6G190409-020 **Work Order #...:** H9LG42AA **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
Prep Date.....: 08/15/06 **Analysis Date..:** 08/23/06
Prep Batch #...: 6227593
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.0	ug/kg	0.14
gamma-BHC (Lindane)	ND	2.0	ug/kg	0.15
Heptachlor	ND	2.0	ug/kg	0.20
Aldrin	ND	2.0	ug/kg	0.14
beta-BHC	ND	2.0	ug/kg	0.14
delta-BHC	ND	2.0	ug/kg	0.079
Heptachlor epoxide	ND	2.0	ug/kg	0.13
Endosulfan I	ND	2.0	ug/kg	0.21
gamma-Chlordane	ND	2.0	ug/kg	0.19
alpha-Chlordane	ND	2.0	ug/kg	0.26
4,4'-DDE	ND	4.1	ug/kg	0.30
Dieldrin	ND	4.1	ug/kg	0.27
Endrin	ND	4.1	ug/kg	0.35
4,4'-DDD	ND	4.1	ug/kg	0.31
Endosulfan II	ND	4.1	ug/kg	0.37
4,4'-DDT	ND	4.1	ug/kg	0.16
Endrin aldehyde	ND	4.1	ug/kg	0.21
Methoxychlor	ND	20	ug/kg	1.5
Endosulfan sulfate	ND	4.1	ug/kg	0.26
Endrin ketone	ND	4.1	ug/kg	0.28
Toxaphene	ND	81	ug/kg	26

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	92	(55 - 130)
Tetrachloro-m-xylene	84	(70 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Parsons Corporation

Client Sample ID: 1203Y-7-1,8-1 COMP

GC Semivolatiles

Lot-Sample #...: G6G190409-022 **Work Order #...:** H9LG71AA **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
Prep Date.....: 07/27/06 **Analysis Date..:** 08/15/06
Prep Batch #...: 6208257
Dilution Factor: 20
% Moisture.....: 18 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	42	ug/kg	2.9
gamma-BHC (Lindane)	ND	42	ug/kg	3.2
Heptachlor	ND	42	ug/kg	4.1
Aldrin	ND	42	ug/kg	2.8
beta-BHC	ND	42	ug/kg	2.9
delta-BHC	ND	42	ug/kg	1.6
Heptachlor epoxide	ND	42	ug/kg	2.6
Endosulfan I	ND	42	ug/kg	4.2
gamma-Chlordane	ND	42	ug/kg	3.8
alpha-Chlordane	ND	42	ug/kg	5.2
4,4'-DDE	ND	83	ug/kg	6.2
Dieldrin	ND	83	ug/kg	5.5
Endrin	ND	83	ug/kg	7.2
4,4'-DDD	ND	83	ug/kg	6.4
Endosulfan II	ND	83	ug/kg	7.5
4,4'-DDT	ND	83	ug/kg	3.2
Endrin aldehyde	ND	83	ug/kg	4.2
Methoxychlor	ND	420	ug/kg	31
Endosulfan sulfate	ND	83	ug/kg	5.3
Endrin ketone	ND	83	ug/kg	5.8
Toxaphene	ND	1600	ug/kg	520

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	0.0 SRD	(55 - 130)
Tetrachloro-m-xylene	0.0 SRD	(70 - 125)

NOTE(S):

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.

Results and reporting limits have been adjusted for dry weight.

Parsons Corporation

Client Sample ID: 1203Y-7-1,8-1 COMP

GC Semivolatiles

Lot-Sample #...: G6G190409-022 **Work Order #...:** H9LG72AA **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
Prep Date.....: 08/15/06 **Analysis Date..:** 08/26/06
Prep Batch #...: 6227593
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.1	ug/kg	0.14
gamma-BHC (Lindane)	ND	2.1	ug/kg	0.16
Heptachlor	ND	2.1	ug/kg	0.20
Aldrin	ND	2.1	ug/kg	0.14
beta-BHC	ND	2.1	ug/kg	0.14
delta-BHC	ND	2.1	ug/kg	0.080
Heptachlor epoxide	ND	2.1	ug/kg	0.13
Endosulfan I	ND	2.1	ug/kg	0.21
gamma-Chlordane	ND	2.1	ug/kg	0.19
alpha-Chlordane	ND	2.1	ug/kg	0.26
4,4'-DDE	ND	4.2	ug/kg	0.31
Dieldrin	ND	4.2	ug/kg	0.27
Endrin	ND	4.2	ug/kg	0.36
4,4'-DDD	ND	4.2	ug/kg	0.32
Endosulfan II	ND	4.2	ug/kg	0.38
4,4'-DDT	ND	4.2	ug/kg	0.16
Endrin aldehyde	ND	4.2	ug/kg	0.21
Methoxychlor	ND	21	ug/kg	1.5
Endosulfan sulfate	ND	4.2	ug/kg	0.27
Endrin ketone	ND	4.2	ug/kg	0.29
Toxaphene	ND	82	ug/kg	26

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	93	(55 - 130)
Tetrachloro-m-xylene	87	(70 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Parsons Corporation

Client Sample ID: 1203Y-7-2,8-2 COMP

GC Semivolatiles

Lot-Sample #...: G6G190409-024 **Work Order #...:** H9LG91AA **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
Prep Date.....: 07/27/06 **Analysis Date..:** 08/15/06
Prep Batch #...: 6208257
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.1	ug/kg	0.14
gamma-BHC (Lindane)	ND	2.1	ug/kg	0.16
Heptachlor	ND	2.1	ug/kg	0.20
Aldrin	**0.60 J,B**	**2.1**	**ug/kg**	**0.14**
beta-BHC	ND	2.1	ug/kg	0.14
delta-BHC	ND	2.1	ug/kg	0.080
Heptachlor epoxide	ND	2.1	ug/kg	0.13
Endosulfan I	ND	2.1	ug/kg	0.21
gamma-Chlordane	ND	2.1	ug/kg	0.19
alpha-Chlordane	ND	2.1	ug/kg	0.26
4,4'-DDE	ND	4.2	ug/kg	0.31
Dieldrin	ND	4.2	ug/kg	0.27
Endrin	ND	4.2	ug/kg	0.36
4,4'-DDD	ND	4.2	ug/kg	0.32
Endosulfan II	ND	4.2	ug/kg	0.38
4,4'-DDT	**0.72 J,B,PG**	**4.2**	**ug/kg**	**0.16**
Endrin aldehyde	ND	4.2	ug/kg	0.21
Methoxychlor	ND	21	ug/kg	1.5
Endosulfan sulfate	ND	4.2	ug/kg	0.27
Endrin ketone	ND	4.2	ug/kg	0.29
Toxaphene	ND	82	ug/kg	26

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	65	(55 - 130)
Tetrachloro-m-xylene	83	(70 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Parsons Corporation

Client Sample ID: 1203Y-7-2,8-2 COMP

GC Semivolatiles

Lot-Sample #...: G6G190409-024 **Work Order #...:** H9LG92AA **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
Prep Date.....: 08/15/06 **Analysis Date..:** 08/23/06
Prep Batch #...: 6227593
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	2.1	ug/kg	0.14
gamma-BHC (Lindane)	ND	2.1	ug/kg	0.16
Heptachlor	ND	2.1	ug/kg	0.20
Aldrin	ND	2.1	ug/kg	0.14
beta-BHC	ND	2.1	ug/kg	0.14
delta-BHC	ND	2.1	ug/kg	0.080
Heptachlor epoxide	ND	2.1	ug/kg	0.13
Endosulfan I	ND	2.1	ug/kg	0.21
gamma-Chlordane	ND	2.1	ug/kg	0.19
alpha-Chlordane	ND	2.1	ug/kg	0.26
4,4'-DDE	ND	4.2	ug/kg	0.31
Dieldrin	ND	4.2	ug/kg	0.27
Endrin	ND	4.2	ug/kg	0.36
4,4'-DDD	ND	4.2	ug/kg	0.32
Endosulfan II	ND	4.2	ug/kg	0.38
4,4'-DDT	ND	4.2	ug/kg	0.16
Endrin aldehyde	ND	4.2	ug/kg	0.21
Methoxychlor	ND	21	ug/kg	1.5
Endosulfan sulfate	ND	4.2	ug/kg	0.27
Endrin ketone	ND	4.2	ug/kg	0.29
Toxaphene	ND	82	ug/kg	26

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	92	(55 - 130)
Tetrachloro-m-xylene	85	(70 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

QC DATA ASSOCIATION SUMMARY

G6G190409

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
002	SOLID	ASTM D 2216-90		6201415	6201239
	SOLID	SW846 8081A		6208257	6208154
	SOLID	SW846 8081A		6227593	6227291
	SOLID	SW846 6010B		6208479	6208299
004	SOLID	ASTM D 2216-90		6201415	6201239
	SOLID	SW846 8081A		6208257	6208154
	SOLID	SW846 8081A		6227593	6227291
	SOLID	SW846 6010B		6208479	6208299
006	SOLID	ASTM D 2216-90		6201415	6201239
	SOLID	SW846 8081A		6208257	6208154
	SOLID	SW846 8081A		6227593	6227291
	SOLID	SW846 6010B		6208479	6208299
008	SOLID	ASTM D 2216-90		6201415	6201239
	SOLID	SW846 8081A		6208257	6208154
	SOLID	SW846 8081A		6227593	6227291
	SOLID	SW846 6010B		6208479	6208299
010	SOLID	ASTM D 2216-90		6201415	6201239
	SOLID	SW846 8081A		6208257	6208154
	SOLID	SW846 8081A		6227593	6227291
	SOLID	SW846 6010B		6208479	6208299
012	SOLID	ASTM D 2216-90		6201415	6201239
	SOLID	SW846 8081A		6208257	6208154
	SOLID	SW846 8081A		6227593	6227291
	SOLID	SW846 6010B		6208479	6208299
014	SOLID	ASTM D 2216-90		6201415	6201239
	SOLID	SW846 8081A		6208257	6208154
	SOLID	SW846 8081A		6227593	6227291
	SOLID	SW846 6010B		6208479	6208299
016	SOLID	ASTM D 2216-90		6201415	6201239
	SOLID	SW846 8081A		6208257	6208154
	SOLID	SW846 8081A		6227593	6227291
	SOLID	SW846 6010B		6208479	6208299
018	SOLID	ASTM D 2216-90		6201415	6201239
	SOLID	SW846 8081A		6208257	6208154
	SOLID	SW846 8081A		6227593	6227291

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

G6G190409

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
018	SOLID	SW846 6010B		6208479	6208299
020	SOLID	ASTM D 2216-90		6201415	6201239
	SOLID	SW846 8081A		6208257	6208154
	SOLID	SW846 8081A		6227593	6227291
	SOLID	SW846 6010B		6208479	6208299
022	SOLID	ASTM D 2216-90		6201415	6201239
	SOLID	SW846 8081A		6208257	6208154
	SOLID	SW846 8081A		6227593	6227291
	SOLID	SW846 6010B		6208479	6208299
024	SOLID	ASTM D 2216-90		6201415	6201239
	SOLID	SW846 8081A		6208257	6208154
	SOLID	SW846 8081A		6227593	6227291
	SOLID	SW846 6010B		6208479	6208299
026	SOLID	ASTM D 2216-90		6201415	6201239
	SOLID	SW846 8081A		6208257	6208154
	SOLID	SW846 8081A		6227593	6227291
	SOLID	SW846 6010B		6208479	6208299
028	SOLID	ASTM D 2216-90		6201415	6201239
	SOLID	SW846 8081A		6208257	6208154
	SOLID	SW846 8081A		6227593	6227291
	SOLID	SW846 6010B		6208479	6208299
030	SOLID	ASTM D 2216-90		6201415	6201239
	SOLID	SW846 8081A		6208257	6208154
	SOLID	SW846 8081A		6227593	6227291
	SOLID	SW846 6010B		6208479	6208299
032	SOLID	ASTM D 2216-90		6201415	6201239
	SOLID	SW846 8081A		6208257	6208154
	SOLID	SW846 8081A		6227593	6227291
	SOLID	SW846 6010B		6208479	6208299
034	SOLID	ASTM D 2216-90		6201415	6201239
	SOLID	SW846 8081A		6208257	6208154
	SOLID	SW846 8081A		6227593	6227291
	SOLID	SW846 6010B		6209457	6209282

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

G6G190409

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
036	SOLID	ASTM D 2216-90		6201415	6201239
	SOLID	SW846 8081A		6208257	6208154
	SOLID	SW846 8081A		6227593	6227291
	SOLID	SW846 6010B		6209457	6209282
038	SOLID	ASTM D 2216-90		6201415	6201239
	SOLID	SW846 8081A		6208257	6208154
	SOLID	SW846 8081A		6227593	6227291
	SOLID	SW846 6010B		6209457	6209282
040	SOLID	ASTM D 2216-90		6201415	6201239
	SOLID	SW846 8081A		6208257	6208154
	SOLID	SW846 8081A		6227593	6227291
	SOLID	SW846 6010B		6209457	6209282
042	SOLID	ASTM D 2216-90		6181523	6181293
	SOLID	SW846 8081A		6210097	6210088
	SOLID	SW846 6010B		6209457	6209282
044	SOLID	ASTM D 2216-90		6181523	6181293
	SOLID	SW846 8081A		6210097	6210088
	SOLID	SW846 6010B		6209457	6209282
046	SOLID	ASTM D 2216-90		6181523	6181293
	SOLID	SW846 8081A		6210097	6210088
	SOLID	SW846 6010B		6209457	6209282
048	SOLID	ASTM D 2216-90		6181523	6181293
	SOLID	SW846 8081A		6210097	6210088
	SOLID	SW846 6010B		6209457	6209282

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: G6G190409 Work Order #...: H94M61AA Matrix.....: SOLID
MB Lot-Sample #: G6G270000-257

Prep Date.....: 07/27/06
Analysis Date..: 08/14/06 Prep Batch #...: 6208257
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
alpha-BHC	ND	1.7	ug/kg	SW846 8081A
gamma-BHC (Lindane)	ND	1.7	ug/kg	SW846 8081A
Heptachlor	ND	1.7	ug/kg	SW846 8081A
Aldrin	**0.31 J**	**1.7**	**ug/kg**	**SW846 8081A**
beta-BHC	ND	1.7	ug/kg	SW846 8081A
delta-BHC	**0.10 J**	**1.7**	**ug/kg**	**SW846 8081A**
Heptachlor epoxide	ND	1.7	ug/kg	SW846 8081A
Endosulfan I	ND	1.7	ug/kg	SW846 8081A
gamma-Chlordane	ND	1.7	ug/kg	SW846 8081A
alpha-Chlordane	ND	1.7	ug/kg	SW846 8081A
4,4'-DDE	**0.89 J**	**3.4**	**ug/kg**	**SW846 8081A**
Dieldrin	**0.48 J**	**3.4**	**ug/kg**	**SW846 8081A**
Endrin	ND	3.4	ug/kg	SW846 8081A
4,4'-DDD	**0.90 J**	**3.4**	**ug/kg**	**SW846 8081A**
Endosulfan II	ND	3.4	ug/kg	SW846 8081A
4,4'-DDT	**7.1**	**3.4**	**ug/kg**	**SW846 8081A**
Endrin aldehyde	ND	3.4	ug/kg	SW846 8081A
Methoxychlor	ND	17	ug/kg	SW846 8081A
Endosulfan sulfate	ND	3.4	ug/kg	SW846 8081A
Endrin ketone	ND	3.4	ug/kg	SW846 8081A
Toxaphene	ND	67	ug/kg	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	82	(55 - 130)
Tetrachloro-m-xylene	92	(70 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: G6G190409 **Work Order #...:** JCDX01AA **Matrix.....:** SOLID
MB Lot-Sample #: G6H150000-593

Prep Date.....: 08/15/06
Analysis Date..: 08/22/06 **Prep Batch #...:** 6227593
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
alpha-BHC	ND	1.7	ug/kg	SW846 8081A
gamma-BHC (Lindane)	ND	1.7	ug/kg	SW846 8081A
Heptachlor	ND	1.7	ug/kg	SW846 8081A
Aldrin	ND	1.7	ug/kg	SW846 8081A
beta-BHC	ND	1.7	ug/kg	SW846 8081A
delta-BHC	ND	1.7	ug/kg	SW846 8081A
Heptachlor epoxide	ND	1.7	ug/kg	SW846 8081A
Endosulfan I	ND	1.7	ug/kg	SW846 8081A
gamma-Chlordane	ND	1.7	ug/kg	SW846 8081A
alpha-Chlordane	ND	1.7	ug/kg	SW846 8081A
4,4'-DDE	ND	3.4	ug/kg	SW846 8081A
Dieldrin	ND	3.4	ug/kg	SW846 8081A
Endrin	ND	3.4	ug/kg	SW846 8081A
4,4'-DDD	ND	3.4	ug/kg	SW846 8081A
Endosulfan II	ND	3.4	ug/kg	SW846 8081A
4,4'-DDT	ND	3.4	ug/kg	SW846 8081A
Endrin aldehyde	ND	3.4	ug/kg	SW846 8081A
Methoxychlor	ND	17	ug/kg	SW846 8081A
Endosulfan sulfate	ND	3.4	ug/kg	SW846 8081A
Endrin ketone	ND	3.4	ug/kg	SW846 8081A
Toxaphene	ND	67	ug/kg	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	86	(55 - 130)
Tetrachloro-m-xylene	78	(70 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: G6G190409 Work Order #...: JAANW1AA Matrix.....: SOLID
MB Lot-Sample #: G6G290000-097

Prep Date.....: 07/29/06
Analysis Date..: 08/23/06 Prep Batch #...: 6210097
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
alpha-BHC	ND	1.7	ug/kg	SW846 8081A
gamma-BHC (Lindane)	ND	1.7	ug/kg	SW846 8081A
Heptachlor	ND	1.7	ug/kg	SW846 8081A
Aldrin	ND	1.7	ug/kg	SW846 8081A
beta-BHC	ND	1.7	ug/kg	SW846 8081A
delta-BHC	ND	1.7	ug/kg	SW846 8081A
Heptachlor epoxide	ND	1.7	ug/kg	SW846 8081A
Endosulfan I	ND	1.7	ug/kg	SW846 8081A
gamma-Chlordane	ND	1.7	ug/kg	SW846 8081A
alpha-Chlordane	ND	1.7	ug/kg	SW846 8081A
4,4'-DDE	ND	3.4	ug/kg	SW846 8081A
Dieldrin	ND	3.4	ug/kg	SW846 8081A
Endrin	ND	3.4	ug/kg	SW846 8081A
4,4'-DDD	ND	3.4	ug/kg	SW846 8081A
Endosulfan II	ND	3.4	ug/kg	SW846 8081A
4,4'-DDT	**0.17 J**	**3.4**	**ug/kg**	**SW846 8081A**
Endrin aldehyde	ND	3.4	ug/kg	SW846 8081A
Methoxychlor	ND	17	ug/kg	SW846 8081A
Endosulfan sulfate	ND	3.4	ug/kg	SW846 8081A
Endrin ketone	ND	3.4	ug/kg	SW846 8081A
Toxaphene	ND	67	ug/kg	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	84	(55 - 130)
Tetrachloro-m-xylene	74	(70 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: G6G190409 Work Order #...: H94M61AC Matrix.....: SOLID
LCS Lot-Sample#: G6G270000-257
Prep Date.....: 07/27/06 Analysis Date..: 08/15/06
Prep Batch #...: 6208257
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
alpha-BHC	8.33	8.16	ug/kg	98	SW846 8081A
gamma-BHC (Lindane)	8.33	8.33	ug/kg	100	SW846 8081A
Heptachlor	8.33	8.47	ug/kg	102	SW846 8081A
Aldrin	8.33	7.90	ug/kg	95	SW846 8081A
beta-BHC	8.33	10.2	ug/kg	122	SW846 8081A
delta-BHC	8.33	9.36	ug/kg	112	SW846 8081A
Heptachlor epoxide	8.33	8.13	ug/kg	98	SW846 8081A
Endosulfan I	8.33	7.32	ug/kg	88	SW846 8081A
gamma-Chlordane	8.33	8.16	ug/kg	98	SW846 8081A
alpha-Chlordane	8.33	8.13	ug/kg	98	SW846 8081A
4,4'-DDE	16.7	18.2	ug/kg	109	SW846 8081A
Dieldrin	16.7	16.5	ug/kg	99	SW846 8081A
Endrin	16.7	18.9	ug/kg	113	SW846 8081A
4,4'-DDD	16.7	17.7	ug/kg	106	SW846 8081A
Endosulfan II	16.7	17.3	ug/kg	104	SW846 8081A
4,4'-DDT	16.7	18.3	ug/kg	110	SW846 8081A
Endrin aldehyde	16.7	12.6	ug/kg	75	SW846 8081A
Methoxychlor	83.3	91.1	ug/kg	109	SW846 8081A
Endosulfan sulfate	16.7	16.5	ug/kg	99	SW846 8081A
Endrin ketone	16.7	19.9	ug/kg	119	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	78	(55 - 130)
Tetrachloro-m-xylene	87	(70 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G6G190409 Work Order #...: H94M61AC Matrix.....: SOLID
LCS Lot-Sample#: G6G270000-257
Prep Date.....: 07/27/06 Analysis Date..: 08/15/06
Prep Batch #...: 6208257
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
alpha-BHC	**98**	**(60 - 125)**	**SW846 8081A**
gamma-BHC (Lindane)	**100**	**(60 - 125)**	**SW846 8081A**
Heptachlor	**102**	**(50 - 140)**	**SW846 8081A**
Aldrin	**95**	**(45 - 140)**	**SW846 8081A**
beta-BHC	**122**	**(60 - 125)**	**SW846 8081A**
delta-BHC	**112**	**(55 - 130)**	**SW846 8081A**
Heptachlor epoxide	**98**	**(65 - 130)**	**SW846 8081A**
Endosulfan I	**88**	**(15 - 135)**	**SW846 8081A**
gamma-Chlordane	**98**	**(65 - 125)**	**SW846 8081A**
alpha-Chlordane	**98**	**(65 - 120)**	**SW846 8081A**
4,4'-DDE	**109**	**(70 - 125)**	**SW846 8081A**
Dieldrin	**99**	**(65 - 125)**	**SW846 8081A**
Endrin	**113**	**(60 - 135)**	**SW846 8081A**
4,4'-DDD	**106**	**(30 - 135)**	**SW846 8081A**
Endosulfan II	**104**	**(35 - 140)**	**SW846 8081A**
4,4'-DDT	**110**	**(45 - 140)**	**SW846 8081A**
Endrin aldehyde	**75**	**(35 - 145)**	**SW846 8081A**
Methoxychlor	**109**	**(55 - 145)**	**SW846 8081A**
Endosulfan sulfate	**99**	**(60 - 135)**	**SW846 8081A**
Endrin ketone	**119**	**(60 - 135)**	**SW846 8081A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	78	(55 - 130)
Tetrachloro-m-xylene	87	(70 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: G6G190409 Work Order #...: JCDX01AC Matrix.....: SOLID
LCS Lot-Sample#: G6H150000-593
Prep Date.....: 08/15/06 Analysis Date..: 08/22/06
Prep Batch #...: 6227593
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
alpha-BHC	8.33	7.55	ug/kg	91	SW846 8081A
gamma-BHC (Lindane)	8.33	7.51	ug/kg	90	SW846 8081A
Heptachlor	8.33	7.83	ug/kg	94	SW846 8081A
Aldrin	8.33	7.05	ug/kg	85	SW846 8081A
beta-BHC	8.33	8.01	ug/kg	96	SW846 8081A
delta-BHC	8.33	11.2 a	ug/kg	135	SW846 8081A
Heptachlor epoxide	8.33	7.32	ug/kg	88	SW846 8081A
Endosulfan I	8.33	7.44	ug/kg	89	SW846 8081A
gamma-Chlordane	8.33	7.37	ug/kg	88	SW846 8081A
alpha-Chlordane	8.33	7.46	ug/kg	89	SW846 8081A
4,4'-DDE	16.7	15.8	ug/kg	95	SW846 8081A
Dieldrin	16.7	15.2	ug/kg	91	SW846 8081A
Endrin	16.7	18.2	ug/kg	109	SW846 8081A
4,4'-DDD	16.7	16.5	ug/kg	99	SW846 8081A
Endosulfan II	16.7	17.1	ug/kg	103	SW846 8081A
4,4'-DDT	16.7	17.1	ug/kg	102	SW846 8081A
Endrin aldehyde	16.7	9.10	ug/kg	54	SW846 8081A
Methoxychlor	83.3	93.2	ug/kg	112	SW846 8081A
Endosulfan sulfate	16.7	17.0	ug/kg	102	SW846 8081A
Endrin ketone	16.7	15.2	ug/kg	91	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	91	(55 - 130)
Tetrachloro-m-xylene	79	(70 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G6G190409 Work Order #...: JCDX01AC Matrix.....: SOLID
LCS Lot-Sample#: G6H150000-593
Prep Date.....: 08/15/06 Analysis Date..: 08/22/06
Prep Batch #...: 6227593
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
alpha-BHC	91	(60 - 125)	SW846 8081A
gamma-BHC (Lindane)	90	(60 - 125)	SW846 8081A
Heptachlor	94	(50 - 140)	SW846 8081A
Aldrin	85	(45 - 140)	SW846 8081A
beta-BHC	96	(60 - 125)	SW846 8081A
delta-BHC	135 a	(55 - 130)	SW846 8081A
Heptachlor epoxide	88	(65 - 130)	SW846 8081A
Endosulfan I	89	(15 - 135)	SW846 8081A
gamma-Chlordane	88	(65 - 125)	SW846 8081A
alpha-Chlordane	89	(65 - 120)	SW846 8081A
4,4'-DDE	95	(70 - 125)	SW846 8081A
Dieldrin	91	(65 - 125)	SW846 8081A
Endrin	109	(60 - 135)	SW846 8081A
4,4'-DDD	99	(30 - 135)	SW846 8081A
Endosulfan II	103	(35 - 140)	SW846 8081A
4,4'-DDT	102	(45 - 140)	SW846 8081A
Endrin aldehyde	54	(35 - 145)	SW846 8081A
Methoxychlor	112	(55 - 145)	SW846 8081A
Endosulfan sulfate	102	(60 - 135)	SW846 8081A
Endrin ketone	91	(60 - 135)	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	91	(55 - 130)
Tetrachloro-m-xylene	79	(70 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: G6G190409 Work Order #...: JAANW1AC Matrix.....: SOLID
LCS Lot-Sample#: G6G290000-097
Prep Date.....: 07/29/06 Analysis Date..: 08/23/06
Prep Batch #...: 6210097
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
alpha-BHC	8.33	7.51	ug/kg	90	SW846 8081A
gamma-BHC (Lindane)	8.33	7.60	ug/kg	91	SW846 8081A
Heptachlor	8.33	7.62	ug/kg	91	SW846 8081A
Aldrin	8.33	7.15	ug/kg	86	SW846 8081A
beta-BHC	8.33	9.57	ug/kg	115	SW846 8081A
delta-BHC	8.33	8.01	ug/kg	96	SW846 8081A
Heptachlor epoxide	8.33	7.59	ug/kg	91	SW846 8081A
Endosulfan I	8.33	7.44	ug/kg	89	SW846 8081A
gamma-Chlordane	8.33	7.75	ug/kg	93	SW846 8081A
alpha-Chlordane	8.33	7.61	ug/kg	91	SW846 8081A
4,4'-DDE	16.7	16.0	ug/kg	96	SW846 8081A
Dieldrin	16.7	15.3	ug/kg	92	SW846 8081A
Endrin	16.7	16.8	ug/kg	101	SW846 8081A
4,4'-DDD	16.7	15.7	ug/kg	94	SW846 8081A
Endosulfan II	16.7	16.2	ug/kg	97	SW846 8081A
4,4'-DDT	16.7	14.8	ug/kg	89	SW846 8081A
Endrin aldehyde	16.7	6.92	ug/kg	41	SW846 8081A
Methoxychlor	83.3	71.8	ug/kg	86	SW846 8081A
Endosulfan sulfate	16.7	12.8	ug/kg	77	SW846 8081A
Endrin ketone	16.7	14.1	ug/kg	85	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	91	(55 - 130)
Tetrachloro-m-xylene	83	(70 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G6G190409 Work Order #...: JAANW1AC Matrix.....: SOLID
LCS Lot-Sample#: G6G290000-097
Prep Date.....: 07/29/06 Analysis Date..: 08/23/06
Prep Batch #...: 6210097
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
alpha-BHC	90	(60 - 125)	SW846 8081A
gamma-BHC (Lindane)	91	(60 - 125)	SW846 8081A
Heptachlor	91	(50 - 140)	SW846 8081A
Aldrin	86	(45 - 140)	SW846 8081A
beta-BHC	115	(60 - 125)	SW846 8081A
delta-BHC	96	(55 - 130)	SW846 8081A
Heptachlor epoxide	91	(65 - 130)	SW846 8081A
Endosulfan I	89	(15 - 135)	SW846 8081A
gamma-Chlordane	93	(65 - 125)	SW846 8081A
alpha-Chlordane	91	(65 - 120)	SW846 8081A
4,4'-DDE	96	(70 - 125)	SW846 8081A
Dieldrin	92	(65 - 125)	SW846 8081A
Endrin	101	(60 - 135)	SW846 8081A
4,4'-DDD	94	(30 - 135)	SW846 8081A
Endosulfan II	97	(35 - 140)	SW846 8081A
4,4'-DDT	89	(45 - 140)	SW846 8081A
Endrin aldehyde	41	(35 - 145)	SW846 8081A
Methoxychlor	86	(55 - 145)	SW846 8081A
Endosulfan sulfate	77	(60 - 135)	SW846 8081A
Endrin ketone	85	(60 - 135)	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	91	(55 - 130)
Tetrachloro-m-xylene	83	(70 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: G6G190409 Work Order #...: H9LGJ1AE-MS Matrix.....: SOLID
MS Lot-Sample #: G6G190409-008 H9LGJ1AF-MSD
Date Sampled...: 07/17/06 Date Received..: 07/19/06
Prep Date.....: 07/27/06 Analysis Date..: 08/15/06
Prep Batch #...: 6208257
Dilution Factor: 1 % Moisture.....: 21

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
alpha-BHC	ND	10.5	9.74	ug/kg	93		SW846 8081A
	ND	10.5	9.41	ug/kg	90	3.4	SW846 8081A
gamma-BHC (Lindane)	ND	10.5	9.85	ug/kg	94		SW846 8081A
	ND	10.5	9.51	ug/kg	91	3.5	SW846 8081A
Heptachlor	ND	10.5	10.1	ug/kg	97		SW846 8081A
	ND	10.5	9.79	ug/kg	93	3.5	SW846 8081A
Aldrin	ND	10.5	9.38	ug/kg	89		SW846 8081A
	ND	10.5	8.91	ug/kg	85	5.1	SW846 8081A
beta-BHC	ND	10.5	12.5	ug/kg	119		SW846 8081A
	ND	10.5	12.1	ug/kg	116	3.1	SW846 8081A
delta-BHC	ND	10.5	10.8	ug/kg	103		SW846 8081A
	ND	10.5	10.1	ug/kg	97	6.0	SW846 8081A
Heptachlor epoxide	0.45	10.5	9.78	ug/kg	89		SW846 8081A
	0.45	10.5	9.20	ug/kg	84	6.1	SW846 8081A
Endosulfan I	ND	10.5	8.61	ug/kg	82		SW846 8081A
	ND	10.5	8.17	ug/kg	78	5.2	SW846 8081A
gamma-Chlordane	0.25	10.5	9.86	ug/kg	92		SW846 8081A
	0.25	10.5	8.92	ug/kg	83	10	SW846 8081A
alpha-Chlordane	0.27	10.5	12.0	ug/kg	112		SW846 8081A
	0.27	10.5	10.8	ug/kg	100	10	SW846 8081A
4,4'-DDE	0.79	21.0	22.1	ug/kg	102		SW846 8081A
	0.79	21.0	18.9	ug/kg	86	16	SW846 8081A
Dieldrin	ND	21.0	19.2	ug/kg	91		SW846 8081A
	ND	21.0	16.9	ug/kg	81	12	SW846 8081A
Endrin	ND	21.0	23.0	ug/kg	109		SW846 8081A
	ND	21.0	19.9	ug/kg	95	15	SW846 8081A
4,4'-DDD	ND	21.0	20.7	ug/kg	99		SW846 8081A
	ND	21.0	17.8	ug/kg	84	15	SW846 8081A
Endosulfan II	ND	21.0	20.5	ug/kg	97		SW846 8081A
	ND	21.0	18.1	ug/kg	86	12	SW846 8081A
4,4'-DDT	1.2	21.0	24.3	ug/kg	110		SW846 8081A
	1.2	21.0	20.2	ug/kg	90	18	SW846 8081A
Endrin aldehyde	ND	21.0	15.7	ug/kg	75		SW846 8081A
	ND	21.0	13.3	ug/kg	63	17	SW846 8081A
Methoxychlor	ND	105	111	ug/kg	106		SW846 8081A
	ND	105	81.3	ug/kg	78 p	31	SW846 8081A
Endosulfan sulfate	ND	21.0	19.9	ug/kg	95		SW846 8081A
	ND	21.0	16.3	ug/kg	77	20	SW846 8081A
Endrin ketone	ND	21.0	23.0	ug/kg	110		SW846 8081A
	ND	21.0	17.0	ug/kg	81	30	SW846 8081A

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MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: G6G190409 **Work Order #...:** H9LGJ1AE-MS **Matrix.....:** SOLID
MS Lot-Sample #: G6G190409-008 H9LGJ1AF-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	66	(55 - 130)
	47 *	(55 - 130)
Tetrachloro-m-xylene	80	(70 - 125)
	77	(70 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

* Surrogate recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G6G190409 Work Order #...: H9LGJ1AE-MS Matrix.....: SOLID
MS Lot-Sample #: G6G190409-008 H9LGJ1AF-MSD
Date Sampled...: 07/17/06 Date Received..: 07/19/06
Prep Date.....: 07/27/06 Analysis Date..: 08/15/06
Prep Batch #...: 6208257
Dilution Factor: 1 % Moisture.....: 21

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
alpha-BHC	93	(60 - 125)			SW846 8081A
	90	(60 - 125)	3.4	(0-30)	SW846 8081A
gamma-BHC (Lindane)	94	(60 - 125)			SW846 8081A
	91	(60 - 125)	3.5	(0-30)	SW846 8081A
Heptachlor	97	(50 - 140)			SW846 8081A
	93	(50 - 140)	3.5	(0-30)	SW846 8081A
Aldrin	89	(45 - 140)			SW846 8081A
	85	(45 - 140)	5.1	(0-30)	SW846 8081A
beta-BHC	119	(60 - 125)			SW846 8081A
	116	(60 - 125)	3.1	(0-30)	SW846 8081A
delta-BHC	103	(55 - 130)			SW846 8081A
	97	(55 - 130)	6.0	(0-30)	SW846 8081A
Heptachlor epoxide	89	(65 - 130)			SW846 8081A
	84	(65 - 130)	6.1	(0-30)	SW846 8081A
Endosulfan I	82	(15 - 135)			SW846 8081A
	78	(15 - 135)	5.2	(0-30)	SW846 8081A
gamma-Chlordane	92	(65 - 125)			SW846 8081A
	83	(65 - 125)	10	(0-30)	SW846 8081A
alpha-Chlordane	112	(65 - 120)			SW846 8081A
	100	(65 - 120)	10	(0-30)	SW846 8081A
4,4'-DDE	102	(70 - 125)			SW846 8081A
	86	(70 - 125)	16	(0-30)	SW846 8081A
Dieldrin	91	(65 - 125)			SW846 8081A
	81	(65 - 125)	12	(0-30)	SW846 8081A
Endrin	109	(60 - 135)			SW846 8081A
	95	(60 - 135)	15	(0-30)	SW846 8081A
4,4'-DDD	99	(30 - 135)			SW846 8081A
	84	(30 - 135)	15	(0-30)	SW846 8081A
Endosulfan II	97	(35 - 140)			SW846 8081A
	86	(35 - 140)	12	(0-30)	SW846 8081A
4,4'-DDT	110	(45 - 140)			SW846 8081A
	90	(45 - 140)	18	(0-30)	SW846 8081A
Endrin aldehyde	75	(35 - 145)			SW846 8081A
	63	(35 - 145)	17	(0-30)	SW846 8081A
Methoxychlor	106	(55 - 145)			SW846 8081A
	78 p	(55 - 145)	31	(0-30)	SW846 8081A
Endosulfan sulfate	95	(60 - 135)			SW846 8081A
	77	(60 - 135)	20	(0-30)	SW846 8081A
Endrin ketone	110	(60 - 135)			SW846 8081A
	81	(60 - 135)	30	(0-30)	SW846 8081A

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G6G190409 **Work Order #...:** H9LGJ1AE-MS **Matrix.....:** SOLID
MS Lot-Sample #: G6G190409-008 H9LGJ1AF-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	66	(55 - 130)
	47 *	(55 - 130)
Tetrachloro-m-xylene	80	(70 - 125)
	77	(70 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

* Surrogate recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: G6G190409 Work Order #...: H9LGW1AE-MS Matrix.....: SOLID
MS Lot-Sample #: G6G190409-014 H9LGW1AF-MSD
Date Sampled...: 07/17/06 Date Received..: 07/19/06
Prep Date.....: 08/15/06 Analysis Date..: 08/23/06
Prep Batch #...: 6227593
Dilution Factor: 1 % Moisture.....: 18

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
alpha-BHC	ND	10.2	10.4	ug/kg	102		SW846 8081A
	ND	10.2	9.83	ug/kg	96	5.9	SW846 8081A
gamma-BHC (Lindane)	ND	10.2	10.3	ug/kg	101		SW846 8081A
	ND	10.2	10.2	ug/kg	100	0.81	SW846 8081A
Heptachlor	ND	10.2	10.5	ug/kg	103		SW846 8081A
	ND	10.2	10.7	ug/kg	105	1.8	SW846 8081A
Aldrin	ND	10.2	9.45	ug/kg	92		SW846 8081A
	ND	10.2	9.53	ug/kg	93	0.92	SW846 8081A
beta-BHC	ND	10.2	10.4	ug/kg	102		SW846 8081A
	ND	10.2	10.9	ug/kg	107	5.0	SW846 8081A
delta-BHC	ND	10.2	13.9	ug/kg	136 a		SW846 8081A
	ND	10.2	13.2	ug/kg	129	5.4	SW846 8081A
Heptachlor epoxide	ND	10.2	9.43	ug/kg	92		SW846 8081A
	ND	10.2	9.79	ug/kg	96	3.7	SW846 8081A
Endosulfan I	ND	10.2	9.89	ug/kg	97		SW846 8081A
	ND	10.2	9.84	ug/kg	96	0.50	SW846 8081A
gamma-Chlordane	ND	10.2	9.83	ug/kg	96		SW846 8081A
	ND	10.2	9.97	ug/kg	98	1.5	SW846 8081A
alpha-Chlordane	0.42	10.2	10.1	ug/kg	95		SW846 8081A
	0.42	10.2	10.3	ug/kg	97	1.9	SW846 8081A
4,4'-DDE	1.2	20.5	21.5	ug/kg	99		SW846 8081A
	1.2	20.5	21.7	ug/kg	100	1.1	SW846 8081A
Dieldrin	ND	20.5	19.9	ug/kg	97		SW846 8081A
	ND	20.5	20.4	ug/kg	100	2.5	SW846 8081A
Endrin	ND	20.5	24.3	ug/kg	119		SW846 8081A
	ND	20.5	24.9	ug/kg	122	2.3	SW846 8081A
4,4'-DDD	ND	20.5	22.2	ug/kg	108		SW846 8081A
	ND	20.5	22.4	ug/kg	109	0.87	SW846 8081A
Endosulfan II	ND	20.5	22.5	ug/kg	110		SW846 8081A
	ND	20.5	22.9	ug/kg	112	1.8	SW846 8081A
4,4'-DDT	0.61	20.5	25.9	ug/kg	123		SW846 8081A
	0.61	20.5	23.0	ug/kg	109	12	SW846 8081A
Endrin aldehyde	ND	20.5	15.6	ug/kg	76		SW846 8081A
	ND	20.5	15.5	ug/kg	76	0.75	SW846 8081A
Methoxychlor	ND	102	122	ug/kg	119		SW846 8081A
	ND	102	127	ug/kg	124	4.0	SW846 8081A
Endosulfan sulfate	ND	20.5	22.4	ug/kg	109		SW846 8081A
	ND	20.5	22.6	ug/kg	111	1.1	SW846 8081A
Endrin ketone	ND	20.5	20.5	ug/kg	100		SW846 8081A
	ND	20.5	20.8	ug/kg	101	1.0	SW846 8081A

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MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: G6G190409 **Work Order #...:** H9LGW1AE-MS **Matrix.....:** SOLID
MS Lot-Sample #: G6G190409-014 H9LGW1AF-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	90	(55 - 130)
	96	(55 - 130)
Tetrachloro-m-xylene	84	(70 - 125)
	77	(70 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G6G190409 Work Order #...: H9LGW1AE-MS Matrix.....: SOLID
MS Lot-Sample #: G6G190409-014 H9LGW1AF-MSD
Date Sampled...: 07/17/06 Date Received..: 07/19/06
Prep Date.....: 08/15/06 Analysis Date..: 08/23/06
Prep Batch #...: 6227593
Dilution Factor: 1 % Moisture.....: 18

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
alpha-BHC	102	(60 - 125)			SW846 8081A
	96	(60 - 125)	5.9	(0-30)	SW846 8081A
gamma-BHC (Lindane)	101	(60 - 125)			SW846 8081A
	100	(60 - 125)	0.81	(0-30)	SW846 8081A
Heptachlor	103	(50 - 140)			SW846 8081A
	105	(50 - 140)	1.8	(0-30)	SW846 8081A
Aldrin	92	(45 - 140)			SW846 8081A
	93	(45 - 140)	0.92	(0-30)	SW846 8081A
beta-BHC	102	(60 - 125)			SW846 8081A
	107	(60 - 125)	5.0	(0-30)	SW846 8081A
delta-BHC	136 a	(55 - 130)			SW846 8081A
	129	(55 - 130)	5.4	(0-30)	SW846 8081A
Heptachlor epoxide	92	(65 - 130)			SW846 8081A
	96	(65 - 130)	3.7	(0-30)	SW846 8081A
Endosulfan I	97	(15 - 135)			SW846 8081A
	96	(15 - 135)	0.50	(0-30)	SW846 8081A
gamma-Chlordane	96	(65 - 125)			SW846 8081A
	98	(65 - 125)	1.5	(0-30)	SW846 8081A
alpha-Chlordane	95	(65 - 120)			SW846 8081A
	97	(65 - 120)	1.9	(0-30)	SW846 8081A
4,4'-DDE	99	(70 - 125)			SW846 8081A
	100	(70 - 125)	1.1	(0-30)	SW846 8081A
Dieldrin	97	(65 - 125)			SW846 8081A
	100	(65 - 125)	2.5	(0-30)	SW846 8081A
Endrin	119	(60 - 135)			SW846 8081A
	122	(60 - 135)	2.3	(0-30)	SW846 8081A
4,4'-DDD	108	(30 - 135)			SW846 8081A
	109	(30 - 135)	0.87	(0-30)	SW846 8081A
Endosulfan II	110	(35 - 140)			SW846 8081A
	112	(35 - 140)	1.8	(0-30)	SW846 8081A
4,4'-DDT	123	(45 - 140)			SW846 8081A
	109	(45 - 140)	12	(0-30)	SW846 8081A
Endrin aldehyde	76	(35 - 145)			SW846 8081A
	76	(35 - 145)	0.75	(0-30)	SW846 8081A
Methoxychlor	119	(55 - 145)			SW846 8081A
	124	(55 - 145)	4.0	(0-30)	SW846 8081A
Endosulfan sulfate	109	(60 - 135)			SW846 8081A
	111	(60 - 135)	1.1	(0-30)	SW846 8081A
Endrin ketone	100	(60 - 135)			SW846 8081A
	101	(60 - 135)	1.0	(0-30)	SW846 8081A

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G6G190409 **Work Order #...:** H9LGW1AE-MS **Matrix.....:** SOLID
MS Lot-Sample #: G6G190409-014 H9LGW1AF-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	90	(55 - 130)
	96	(55 - 130)
Tetrachloro-m-xylene	84	(70 - 125)
	77	(70 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: G6G190409 Work Order #...: H9Q361AE-MS Matrix.....: SOLID
MS Lot-Sample #: G6G210254-032 H9Q361AF-MSD
Date Sampled...: 07/18/06 Date Received..: 07/21/06
Prep Date.....: 07/29/06 Analysis Date..: 08/26/06
Prep Batch #...: 6210097
Dilution Factor: 100 % Moisture.....: 23

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
alpha-BHC	ND	10.8		ug/kg	0.0		SW846 8081A
		Qualifiers: MSA					
	ND	10.8		ug/kg	0.0	0.0	SW846 8081A
		Qualifiers: MSA					
gamma-BHC (Lindane)	ND	10.8		ug/kg	0.0		SW846 8081A
		Qualifiers: MSA					
	ND	10.8		ug/kg	0.0	0.0	SW846 8081A
		Qualifiers: MSA					
Heptachlor	ND	10.8		ug/kg	0.0		SW846 8081A
		Qualifiers: MSA					
	ND	10.8		ug/kg	0.0	0.0	SW846 8081A
		Qualifiers: MSA					
Aldrin	19	10.8		ug/kg	0.0		SW846 8081A
		Qualifiers: MSA					
	19	10.8		ug/kg	0.0	0.0	SW846 8081A
		Qualifiers: MSA					
beta-BHC	ND	10.8		ug/kg	0.0		SW846 8081A
		Qualifiers: MSA					
	ND	10.8		ug/kg	0.0	0.0	SW846 8081A
		Qualifiers: MSA					
delta-BHC	ND	10.8		ug/kg	0.0		SW846 8081A
		Qualifiers: MSA					
	ND	10.8		ug/kg	0.0	0.0	SW846 8081A
		Qualifiers: MSA					
Heptachlor epoxide	91	10.8		ug/kg	0.0		SW846 8081A
		Qualifiers: MSA					
	91	10.8		ug/kg	0.0	0.0	SW846 8081A
		Qualifiers: MSA					
Endosulfan I	ND	10.8		ug/kg	0.0		SW846 8081A
		Qualifiers: MSA					
	ND	10.8		ug/kg	0.0	0.0	SW846 8081A
		Qualifiers: MSA					
gamma-Chlordane	460	10.8		ug/kg	0.0		SW846 8081A
		Qualifiers: MSA					
	460	10.8		ug/kg	0.0	0.0	SW846 8081A
		Qualifiers: MSA					
alpha-Chlordane	340	10.8		ug/kg	0.0		SW846 8081A
		Qualifiers: MSA					
	340	10.8		ug/kg	0.0	0.0	SW846 8081A
		Qualifiers: MSA					

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MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: G6G190409 Work Order #...: H9Q361AE-MS Matrix.....: SOLID
MS Lot-Sample #: G6G210254-032 H9Q361AF-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
4,4'-DDE	ND	21.7		ug/kg	0.0		SW846 8081A
		Qualifiers: MSA					
	ND	21.7		ug/kg	0.0	0.0	SW846 8081A
		Qualifiers: MSA					
Dieldrin	2500	21.7		ug/kg	0.0		SW846 8081A
		Qualifiers: a,MSA					
	2500	21.7		ug/kg	0.0	0.0	SW846 8081A
		Qualifiers: a,MSA					
Endrin	ND	21.7		ug/kg	0.0		SW846 8081A
		Qualifiers: MSA					
	ND	21.7		ug/kg	0.0	0.0	SW846 8081A
		Qualifiers: MSA					
4,4'-DDD	ND	21.7		ug/kg	0.0		SW846 8081A
		Qualifiers: MSA					
	ND	21.7		ug/kg	0.0	0.0	SW846 8081A
		Qualifiers: MSA					
Endosulfan II	ND	21.7		ug/kg	0.0		SW846 8081A
		Qualifiers: MSA					
	ND	21.7		ug/kg	0.0	0.0	SW846 8081A
		Qualifiers: MSA					
4,4'-DDT	ND	21.7		ug/kg	0.0		SW846 8081A
		Qualifiers: MSA					
	ND	21.7		ug/kg	0.0	0.0	SW846 8081A
		Qualifiers: MSA					
Endrin aldehyde	ND	21.7		ug/kg	0.0		SW846 8081A
		Qualifiers: MSA					
	ND	21.7		ug/kg	0.0	0.0	SW846 8081A
		Qualifiers: MSA					
Methoxychlor	ND	108		ug/kg	0.0		SW846 8081A
		Qualifiers: MSA					
	ND	108		ug/kg	0.0	0.0	SW846 8081A
		Qualifiers: MSA					
Endosulfan sulfate	ND	21.7		ug/kg	0.0		SW846 8081A
		Qualifiers: MSA					
	ND	21.7		ug/kg	0.0	0.0	SW846 8081A
		Qualifiers: MSA					
Endrin ketone	ND	21.7		ug/kg	0.0		SW846 8081A
		Qualifiers: MSA					
	ND	21.7		ug/kg	0.0	0.0	SW846 8081A
		Qualifiers: MSA					

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MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: G6G190409 **Work Order #...:** H9Q361AE-MS **Matrix.....:** SOLID
MS Lot-Sample #: G6G210254-032 H9Q361AF-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	0.0 SRD	(55 - 130)
	0.0 SRD	(55 - 130)
Tetrachloro-m-xylene	0.0 SRD	(70 - 125)
	0.0 SRD	(70 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MSA The recovery and RPD were not calculated because the sample was diluted beyond the ability to quantitate a recovery.

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G6G190409 Work Order #...: H9Q361AE-MS Matrix.....: SOLID
MS Lot-Sample #: G6G210254-032 H9Q361AF-MSD
Date Sampled...: 07/18/06 Date Received..: 07/21/06
Prep Date.....: 07/29/06 Analysis Date..: 08/26/06
Prep Batch #...: 6210097
Dilution Factor: 100 % Moisture.....: 23

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
alpha-BHC	0.0 MSA	(60 - 125)			SW846 8081A
	0.0 MSA	(60 - 125)	0.0	(0-30)	SW846 8081A
gamma-BHC (Lindane)	0.0 MSA	(60 - 125)			SW846 8081A
	0.0 MSA	(60 - 125)	0.0	(0-30)	SW846 8081A
Heptachlor	0.0 MSA	(50 - 140)			SW846 8081A
	0.0 MSA	(50 - 140)	0.0	(0-30)	SW846 8081A
Aldrin	0.0 MSA	(45 - 140)			SW846 8081A
	0.0 MSA	(45 - 140)	0.0	(0-30)	SW846 8081A
beta-BHC	0.0 MSA	(60 - 125)			SW846 8081A
	0.0 MSA	(60 - 125)	0.0	(0-30)	SW846 8081A
delta-BHC	0.0 MSA	(55 - 130)			SW846 8081A
	0.0 MSA	(55 - 130)	0.0	(0-30)	SW846 8081A
Heptachlor epoxide	0.0 MSA	(65 - 130)			SW846 8081A
	0.0 MSA	(65 - 130)	0.0	(0-30)	SW846 8081A
Endosulfan I	0.0 MSA	(15 - 135)			SW846 8081A
	0.0 MSA	(15 - 135)	0.0	(0-30)	SW846 8081A
gamma-Chlordane	0.0 MSA	(65 - 125)			SW846 8081A
	0.0 MSA	(65 - 125)	0.0	(0-30)	SW846 8081A
alpha-Chlordane	0.0 MSA	(65 - 120)			SW846 8081A
	0.0 MSA	(65 - 120)	0.0	(0-30)	SW846 8081A
4,4'-DDE	0.0 MSA	(70 - 125)			SW846 8081A
	0.0 MSA	(70 - 125)	0.0	(0-30)	SW846 8081A
Dieldrin	0.0 a,MSA	(65 - 125)			SW846 8081A
	0.0 a,MSA	(65 - 125)	0.0	(0-30)	SW846 8081A
Endrin	0.0 MSA	(60 - 135)			SW846 8081A
	0.0 MSA	(60 - 135)	0.0	(0-30)	SW846 8081A
4,4'-DDD	0.0 MSA	(30 - 135)			SW846 8081A
	0.0 MSA	(30 - 135)	0.0	(0-30)	SW846 8081A
Endosulfan II	0.0 MSA	(35 - 140)			SW846 8081A
	0.0 MSA	(35 - 140)	0.0	(0-30)	SW846 8081A
4,4'-DDT	0.0 MSA	(45 - 140)			SW846 8081A
	0.0 MSA	(45 - 140)	0.0	(0-30)	SW846 8081A
Endrin aldehyde	0.0 MSA	(35 - 145)			SW846 8081A
	0.0 MSA	(35 - 145)	0.0	(0-30)	SW846 8081A
Methoxychlor	0.0 MSA	(55 - 145)			SW846 8081A
	0.0 MSA	(55 - 145)	0.0	(0-30)	SW846 8081A
Endosulfan sulfate	0.0 MSA	(60 - 135)			SW846 8081A
	0.0 MSA	(60 - 135)	0.0	(0-30)	SW846 8081A
Endrin ketone	0.0 MSA	(60 - 135)			SW846 8081A
	0.0 MSA	(60 - 135)	0.0	(0-30)	SW846 8081A

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G6G190409 **Work Order #...:** H9Q361AE-MS **Matrix.....:** SOLID
MS Lot-Sample #: G6G210254-032 H9Q361AF-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	0.0 SRD	(55 - 130)
	0.0 SRD	(55 - 130)
Tetrachloro-m-xylene	0.0 SRD	(70 - 125)
	0.0 SRD	(70 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MSA The recovery and RPD were not calculated because the sample was diluted beyond the ability to quantitate a recovery.

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.

a Spiked analyte recovery is outside stated control limits.

SOLID, 6010B, Metals

Parsons Corporation

Client Sample ID: 1202Y-1-1,2-1 COMP

TOTAL Metals

Lot-Sample #...: G6G190409-002 **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
% Moisture.....: 15

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6208479						
Lead	**15.0**	**1.8**	**mg/kg**	**SW846 6010B**	**07/28/06**	**H9LF81AD**
		Dilution Factor: 1		MDL.....: 0.59		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Parsons Corporation

Client Sample ID: 1202Y-1-2,2-2 COMP

TOTAL Metals

Lot-Sample #...: G6G190409-004 **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
% Moisture.....: 13

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6208479						
Lead	**10.9**	**1.7**	**mg/kg**	**SW846 6010B**	**07/28/06**	**H9LGC1AD**
		Dilution Factor: 1		MDL.....: 0.58		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Parsons Corporation

Client Sample ID: 1202Y-3-1,4-1,5-1 COMP

TOTAL Metals

Lot-Sample #...: G6G190409-006 **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6208479						
Lead	**19.3**	**1.8**	**mg/kg**	**SW846 6010B**	**07/28/06**	**H9LGG1AD**
		Dilution Factor: 1		MDL.....: 0.60		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Parsons Corporation

Client Sample ID: 1202Y-3-2,4-2,5-2 COMP

TOTAL Metals

Lot-Sample #...: G6G190409-008 **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
% Moisture.....: 21

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6208479						
Lead	**17.6**	**1.9**	**mg/kg**	**SW846 6010B**	**07/28-07/29/06**	**H9LGJ1AD**
		Dilution Factor: 1		MDL.....: 0.63		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Parsons Corporation

Client Sample ID: 1202Y-7-1,8-1 COMP

TOTAL Metals

Lot-Sample #...: G6G190409-010 **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
% Moisture.....: 1.4

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6208479						
Lead	ND	1.5	mg/kg	SW846 6010B	07/28-07/29/06	H9LGN1AD
		Dilution Factor: 1		MDL.....: 0.51		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Parsons Corporation

Client Sample ID: 1202Y-7-2,8-2 COMP

TOTAL Metals

Lot-Sample #...: G6G190409-012 **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6208479						
Lead	**13.1**	**1.8**	**mg/kg**	**SW846 6010B**	**07/28-07/29/06**	**H9LGR1AD**
		Dilution Factor: 1		MDL.....: 0.61		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Parsons Corporation

Client Sample ID: 1203Y-3-1,4-1,5-1 COMP

TOTAL Metals

Lot-Sample #...: G6G190409-014 **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6208479						
Lead	**14.4**	**1.8**	**mg/kg**	**SW846 6010B**	**07/28-07/29/06**	**H9LGW1AD**
		Dilution Factor: 1		MDL.....: 0.61		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Parsons Corporation

Client Sample ID: 1203Y-3-2,4-2,5-2 COMP

TOTAL Metals

Lot-Sample #...: G6G190409-016 Matrix.....: SOLID
Date Sampled...: 07/17/06 Date Received..: 07/19/06
% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6208479						
Lead	13.2	1.8	mg/kg	SW846 6010B	07/28-07/29/06	H9LG01AD
		Dilution Factor: 1		MDL.....: 0.60		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Parsons Corporation

Client Sample ID: 1203Y-1-1,2-1 COMP

TOTAL Metals

Lot-Sample #...: G6G190409-018 **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
% Moisture.....: 15

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6208479						
Lead	**12.7**	**1.8**	**mg/kg**	**SW846 6010B**	**07/28-07/29/06**	**H9LG21AD**
		Dilution Factor: 1		MDL.....: 0.59		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Parsons Corporation

Client Sample ID: 1203Y-1-2,2-2 COMP

TOTAL Metals

Lot-Sample #...: G6G190409-020 **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
% Moisture.....: 17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6208479						
Lead	**12.8**	**1.8**	**mg/kg**	**SW846 6010B**	**07/28-07/29/06**	**H9LG41AD**
		Dilution Factor: 1		MDL.....: 0.60		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Parsons Corporation

Client Sample ID: 1203Y-7-1,8-1 COMP

TOTAL Metals

Lot-Sample #...: G6G190409-022 **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6208479						
Lead	**13.9**	**1.8**	**mg/kg**	**SW846 6010B**	**07/28-07/29/06**	**H9LG71AD**
		Dilution Factor: 1		MDL.....: 0.61		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Parsons Corporation

Client Sample ID: 1203Y-7-2,8-2 COMP

TOTAL Metals

Lot-Sample #...: G6G190409-024 **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6208479						
Lead	**13.4**	**1.8**	**mg/kg**	**SW846 6010B**	**07/28-07/29/06**	**H9LG91AD**
		Dilution Factor: 1		MDL.....: 0.61		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

QC DATA ASSOCIATION SUMMARY

G6G190409

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
002	SOLID	SW846 6010B		6208479	6208299
004	SOLID	SW846 6010B		6208479	6208299
006	SOLID	SW846 6010B		6208479	6208299
008	SOLID	SW846 6010B		6208479	6208299
010	SOLID	SW846 6010B		6208479	6208299
012	SOLID	SW846 6010B		6208479	6208299
014	SOLID	SW846 6010B		6208479	6208299
016	SOLID	SW846 6010B		6208479	6208299
018	SOLID	SW846 6010B		6208479	6208299
020	SOLID	SW846 6010B		6208479	6208299
022	SOLID	SW846 6010B		6208479	6208299
024	SOLID	SW846 6010B		6208479	6208299
026	SOLID	SW846 6010B		6208479	6208299
028	SOLID	SW846 6010B		6208479	6208299
030	SOLID	SW846 6010B		6208479	6208299
032	SOLID	SW846 6010B		6208479	6208299
034	SOLID	SW846 6010B		6209457	6209282
036	SOLID	SW846 6010B		6209457	6209282
038	SOLID	SW846 6010B		6209457	6209282
040	SOLID	SW846 6010B		6209457	6209282
042	SOLID	SW846 6010B		6209457	6209282

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QC DATA ASSOCIATION SUMMARY

G6G190409

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
044	SOLID	SW846 6010B		6209457	6209282
046	SOLID	SW846 6010B		6209457	6209282
048	SOLID	SW846 6010B		6209457	6209282

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: G6G190409 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: G6G270000-479 **Prep Batch #...:** 6208479						
Lead	ND	1.5	mg/kg	SW846 6010B	07/28/06	H95WX1AA
		Dilution Factor: 1				
MB Lot-Sample #: G6G280000-457 **Prep Batch #...:** 6209457						
Lead	ND	1.5	mg/kg	SW846 6010B	07/31/06	H982D1AA
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: G6G190409 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: G6G270000-479 **Prep Batch #...:** 6208479							
Lead	50.0	47.5	mg/kg	95	SW846 60103	07/28/06	H95WX1AC
			Dilution Factor: 1				
LCS Lot-Sample#: G6G280000-457 **Prep Batch #...:** 6209457							
Lead	50.0	45.8	mg/kg	92	SW846 60103	07/31/06	H982D1AC
			Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: G6G190409 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: G6G270000-479 **Prep Batch #...:** 6208479					
Lead	95	(80 - 120)	SW846 6010B	07/28/06	H95WX1AC
		Dilution Factor: 1			
LCS Lot-Sample#: G6G280000-457 **Prep Batch #...:** 6209457					
Lead	92	(80 - 120)	SW846 6010B	07/31/06	H982D1AC
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: G6G190409 **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: G6G190409-002 **Prep Batch #...:** 6208479									
							% Moisture.....: 15		
Lead									
	15.0	59.0	66.9	mg/kg	88		SW846 6010B	07/28/06	H9LF81AF
	15.0	59.0	66.6	mg/kg	88	0.35	SW846 6010B	07/28/06	H9LF81AG
			Dilution Factor: 1						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: G6G190409 **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: G6G190409-002 **Prep Batch #...:** 6208479							
						% Moisture.....: 15	
Lead	88	(80 - 120)			SW846 6010B	07/28/06	H9LF81AF
	88	(80 - 120)	0.35	(0-30)	SW846 6010B	07/28/06	H9LF81AG
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: G6G190409 **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: G6G190409-034 **Prep Batch #...:** 6209457									
								% Moisture.....: 22	
Lead									
	2.3	64.0	55.9	mg/kg	84		SW846 6010B	07/31-08/01/06	H9LHL1AE
	2.3	64.0	59.4	mg/kg	89	6.0	SW846 6010B	07/31-08/01/06	H9LHL1AF
			Dilution Factor: 1						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: G6G190409 **Matrix.....:** SOLID
Date Sampled...: 07/17/06 **Date Received..:** 07/19/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: G6G190409-034 **Prep Batch #...:** 6209457							
						% Moisture.....: 22	
Lead	84	(80 - 120)			SW846 6010B	07/31-08/01/06	H9LHL1AE
	89	(80 - 120)	6.0	(0-30)	SW846 6010B	07/31-08/01/06	H9LHL1AF
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.